S/M No. : TSC110NEF0

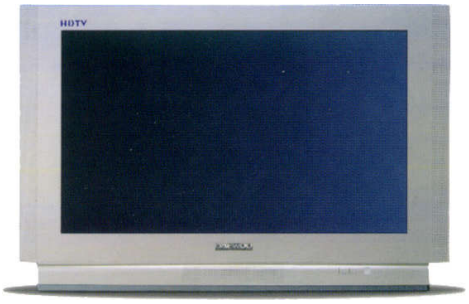
Service Manual

Relese 1

DIGITAL HDTV

CHASSIS : SC-110

Model : DSC-30W60N



DSC-30W60N

R-V3

■ Specifications

General	Power Requirement Power Consumption Dimensions(W/H/D) Weight Antenna RF Band Coverage	AC 120V, 60Hz 250W (1.7W in standby) 890 x 573 x 560 mm 64kg Two 75 ohm external input terminals for UHF/VHF/Cable One 75ohm external output terminal for Cable VHF 2 ~ 13 UHF 14 ~ 69 CATV 1, 14 ~ 125
Picture	Screen Size Display Format Horizontal Resolution	32 inches Pure Flat 16:9 Aspect ratio 1920 x 1080i (Digital) Upconversion to 1080i with line doubling (NTSC) 800 Lines
Sound	Digital Audio NTSC Audio Audio Power	Dolby Digital AC-3 / Pro logic Multi-CH TV Stereo (MTS) / Second Audio Program (SAP) 8W / ch (Main L/R, Woofer), 5W / ch (Center, SL, SR)
Number of Inputs / Outputs	A/V In S-Video In HD Component Video In HD Component Audio In Digital Audio In Digital Audio Out External Speaker Out	4 each (Video / L / R) 2 each 2 each (Y/ Pb / Pr, R / G / B) 1 each (L / R / SL / SR / Center / Woofer) 2 each (Coaxial / Optical) 2 each (Coaxial / Optical) 1 each (SL / SR / Woofer)

✔ Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information,please refer to PPL(Parts Price List) in Service Information Center (http://svc.dwe.co.kr).

DAEWOO ELECTRONICS CO., LTD.

http : //svc.dwe.co.kr Mar. 2000

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1.PRODUCT SAFETY SERVICING GUIDELINES FOR COLOR TELEVISION RECEIVERS

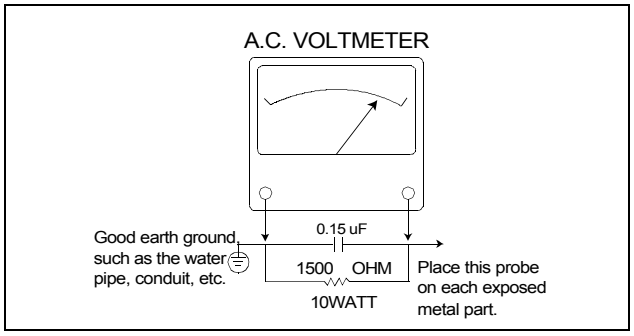
CAUTION : Do not attempt to modify this product in any way. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury.
Service work should be performed only after you are thoroughly familiar with all of the following safety checks and servicing guidelines. To do otherwise, increases the risk of potential hazards and injury to the user.

SAFETY CHECKS

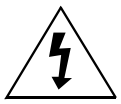
After the original service problem has been corrected, a check should be made of the following:

SUBJECT : FIRE & SHOCK HAZARD

1. Be sure that all components are positioned in such a way as to avoid possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the repair shop.
2. Never release a repair unless all protective devices such as insulators, barriers, covers, shields, strain reliefs, and other hardware have been reinstalled per original design.
3. Soldering must be inspected to discover possible cold solder joints, frayed leads, damaged insulation (including A.C. cord), solder splashes or sharp solder points. Be certain to remove all loose foreign particals.
4. Check for physical evidence of damage or deterioration to parts and components, and replace if necessary follow original layout, lead length and dress.
5. No leads or components should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. All critical components such as fuses, flameproof resistors, capacitors, etc. must be replaced with exact factory types. Do not use replacement components other than those specified or make unrecommended circuit modifications.
7. After re-assembly of the set always perform an A.C. leakage test on all exposed metallic parts of the cabinet, (the channel selector knob, antenna terminals, handle and screws) to be sure the set is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this test. Use an A.C. voltmeter, having 5000 ohms per volt or more sensitivity, in the following manner : connect a 1500 ohm 10 watt resistor, paralleled by a 15 mfd. 150V A.C. type capacitor between a known good earth ground (9water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the A.C. voltage across the combination of 1500 ohm resistor and 0.15 MFD capacitor. Reverse the A.C. plug and repeat A.C. voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts R.M.S. This corresponds to 0.5 milliamp A.C. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

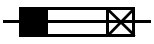

A.C. VOLTMETER
0.15 uF
Good earth ground, such as the water pipe, conduit, etc.
1500 OHM
10WATT
Place this probe on each exposed metal part.

GRAPHIC SYMBOLS :



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the service personnel to the presence of uninsulated “dangerous voltage” that may be of sufficienty magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the service personnel to the presence of important safety information in service literature.



Fuse symbol is printed on pcb adjacent to the fuse, with “RISK OF FIRE REPLACE FUSE AS MARKED”. The symbol is explained in the service manual with the following wording or equivalent.

CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE (6.3A, 125V)” and “**ATTENTION**: AFIN D’ASSU UNE PROTECTION PERMANENTE CONTRE LES RISQUES D’INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET DE ”6.3A, 125V”.

SUBJECT : X-RADIATION

1. Be sure procedures and instructions to all service personnel cover the subject of X-rays in current T.V. receivers is the picture tube. However, this tube does not emit X-rays when the high voltage is at the factory specified level. The proper value is given in the applicable schematic. Operation at higher voltages may cause a failure of the picture tube or high voltage supply and, under certain circumstances, may produce radiation in excess of desirable levels.
2. Only factory specified C.R.T. anode connectors must be used. Degaussing shields also serve as X-ray shield in color sets. Always re-install them.
3. It is essential that the serviceman has available an accurate and reliable high voltage meter. The calibration of the meter should be checked perio - dically against a reference standard. Such as the one available at your distributor.
4. When the high voltage circuitry is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be run up and down while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly. We suggest that you and your service organization review test procedures so that voltage regulation is always checked as a standard servicing procedure. And that the high voltage reading be recorded on each customer’s invoice.
5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tub eand the high voltage compartment.
   Do not operate the chassis longer than is necessary to locate the cause of excessive voltage.
6. Refer to HV, B+and Shutdown adjustment procedures described in the appropriate schematic and diagrams(where used).

SUBJECT : IMPLOSION

1. All direct viewed picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage during installation. Avoid scratching the tube. If scratched, replace it.
2. Use only recommended factory replacement tubes.

SUBJECT : TIPS ON PROPER INSTALLATION

1. Never install any receiver in closed-in recess, cubbyhole or closely fitting shelf space over, or close to heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as : Outdoor patio installations where dew is a factor. Near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct rear venting. The customer should also avoid the use of decorative scarves or other coverings which might obstruct ventilation.
4. Wall and shelf mounted installations using a commercial mounting kit, must follow the factory approved mounting instructions. A receiver mounted to a shelf or platform must retain its original feet(or the equivalent thickness in spacers) to provide adequate are flow across the bottom, bolts or screws used for fasteners must not touch and parts or wiring. Perform leakage test on customized installations.
5. Caution customers against the mounting of a receiver on sloping shelf or a tilted position, unless the receiver is properly secured.
6. A receiver on a roll-about cart should be stable on its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against the use of a cart or stand which has not been listed by underwriters laboratories, inc. For use with their specific model of television receiver or generically approved for use with T.V.'s of the same or larger screen size.

2. Specification

General

Power Requirement	AC 120V, 60Hz
Power Consumption	250W (1.7W in standby)
Dimensions(W/H/D)	890 x 573 x 560 mm
Weight	64kg
Antenna	Two 75 ohm external input terminals for UHF/VHF/Cable
	One 75ohm external output terminal for Cable
RF Band Coverage	VHF 2 ~ 13
	UHF 14 ~ 69
	CATV 1, 14 ~ 125

Picture

Screen Size	32 inches Pure Flat 16:9 Aspect ratio
Display Format	1920 x 1080i (Digital)
	Upconversion to 1080i with line doubling (NTSC)
Horizontal Resolution	800 Lines

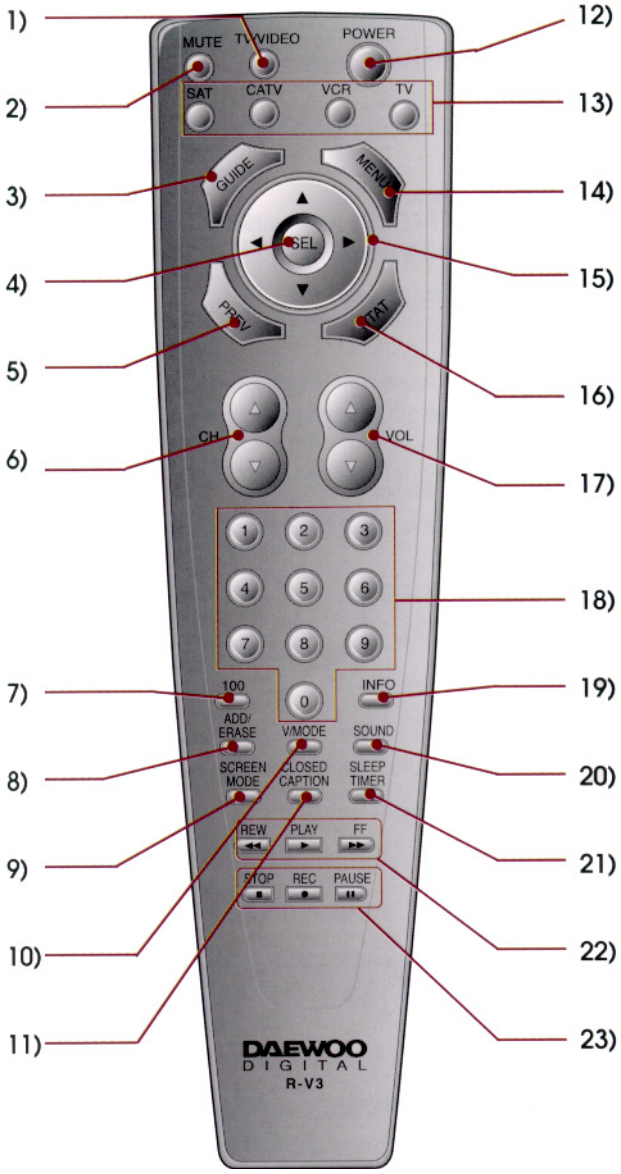
Sound

Digital Audio	Dolby Digital AC-3 / Pro logic
NTSC Audio	Multi-CH TV Stereo (MTS) / Second Audio Program (SAP)
Audio Power	8W / ch (Main L/R, Woofer), 5W / ch (Center, SL, SR)

Number of Inputs / Outputs

A/V In	4 each (Video / L / R)
S-Video In	2 each
HD Component Video In	2 each (Y/ Pb / Pr, R / G / B)
HD Component Audio In	1 each (L / R / SL / SR / Center / Woofer)
Digital Audio In	2 each (Coaxial / Optical)
Digital Audio Out	2 each (Coaxial / Optical)
External Speaker Out	1 each (SL / SR / Woofer)

33. Remote control overview



The remote control has the following functions:

1. **Power** button
   Press to turn the HDTV(and other equipment) on and off.

2. **MODE** buttons
   Press to select which equipment you wish your remote control to operate:
   * SAT(satelite)
   * CATV (cable box)
   * VCR
   * TV
   The Mode button you press will light up in red.

3. **MENU** button
   Press once to display the HDTV menus. Press again to make the menus disappear.

4. **SEL** (Select) button
   Press to select items on the HDTV menus.

5. **Arrow** buttons
   Press to navigate through the HDTV menus.

6. **STAT** (Channel Station) button
   Press to quickly select chammels to watch on your HDTV.

7. **VOL** (Volume) buttons
   press to raise and lower the volume on your HDTV.

8. **Number** buttons
   Press to directly select channels or to enter the numbers in the menus.

9. **INFO** (Information) button
   Press to see the channel banner that provides information while viewing your HDTV.

10. **V MODE** (Video Mode) button
    Press to select a video mode : Normal, Dynamic, Cinema or Customer.

11. **SOUND** button
    Press to select a sound option : Mono, Stereo, or Secondary Audio Programming (SAP). When you tune to a digital channel, press to select various languages.

12. **SLEEP TIMER** button
    Press to select the time before the HDRV turns off: 30 minutes, 60 minutes, 90 minutes, or 120 minutes.

13. **CLOSED CAPTION** button
    Press to turn closed captions on and off.

14. **FF** (Fast Forward) button.
    Press to fast forward a videocassette.

15. **PLAY** button
    Press to play a videocassette.

16. **PAUSE** button
    Press to pause a VCR.

17. **REC**(Record) button
    Press to record a videotape.

18. **STOP** button
    Press to stop a VCR.

19. **REW** (Rewind) button
    Press to rewind a videocassette.

20. **SCREEN MODE** button
    Press to select how to view your HDTV:
    Normal or Full.

21. **ADD / ERASE** button
    Press to add and erase channels on your HDTV.

22. **100** button
    Press to select cable channels over 100 on TV or DSS broadcasts.

23. **CH** (Chnnel) buttons
    Press to select channels.

24. **PREV** (Previous) button
    Press to back up one menu at a time in the HDRV menus or to return to the previous channel.

25. **GUIDE** button
    Press this button to see the HDTV Program Guide.

26. **MUTE** button
    Press to mute the HDTV sound.

27. **TV / VIDEO** button
    Press to view components you have connected to the HDTV.
    Press this button repeatedly to display:
    * TV mode
    * HD comp (HD Component Video)
    * Video 1
    * Video 2
    * Video 3
    * Video 4

4. Limited Warranty

Daewoo Electronics Corporation of America Inc. (also known as DECA) warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect.

This warranty covers 3 years labor and 3 years parts from the date of original purchase.

This warranty applies only to product purchased from authorized DECA dealer and used within the boundaries of U.S.A.

This warranty does not apply to product that has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during transportation, or which has been altered in any way that affects the reliability or detracts from its performance.

How you get warranty service

Warrany service can only be provided by an authorized DECA service center. For the closest authorized service center to you, please contact your Dealer. In order to receive warranty service you must provide the authorized service center with a copy of proof of purchase, signifying the date of purchase and the name of the Dealer from whom you purchased the product.

Statutory warranities

The purchase may have rights under existing provincial or federal laws, and where any terms of this warranty are prohibited by such laws, they ard deemed null and void, but the remainder of the warranty shall remain in effect.

If you require further assistance, please call:

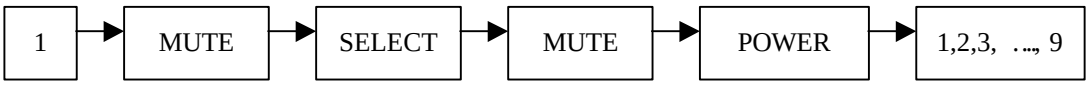
1-800-DAEWOO-8

5. Service Modes

1. Entering to Service Mode

1) With the user remote control

Press the button in the following order.

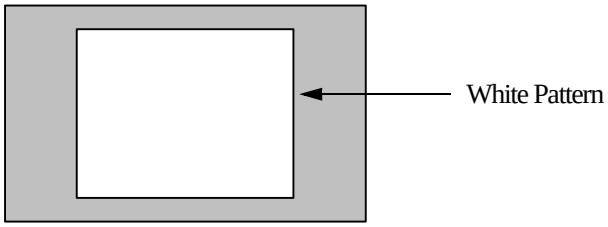


2) With the service remote control

S1 : Heat Run	S2 : Screen Voltage	S3 : Sound Controls
S4 : Video Controls	S5 : Geometry	S7 : White Balance
S8 : Sub Brightness	S9 : Software Version	S10: Factory Setting

2. Function of each service mode

1) S1 : Heat Run mode.



2) S2 : Screen Voltage Control mode

The vertical deflection is down, and a horizontal line appears on the screen.

3) S3 : Sound Controls mode

- Equalizer : 60Hz, 250Hz, 1KHz, 3.5KHz, 10KHz
- Main Volume : 0 → 63 → 31
- Balance control : -31 → 31 → 0
- Center Volume : 0 → 63 → 31

4) S4 : Video Controls mode

- Tint :0 → 63 → 31
- Brightness : 0 → 48 → 24
- Contrast : 0 → 48 → 24
- Color : 0 → 63 → 31
- Sharpness : 0 → 63 → 31

5) S5 : Geometry Adjustment mode

V Size Max	31	Side Pin W	22
V Size	0	Side Pin S	34
V Position	26	Trapezoid	33
V C Linearity	23	Side Pin Balance	31
V S Linearity	31	H Duty	31
H Size	53	Parallelogram	28
H Position	70	H Focus Phase	31
Pincusion	32	H Focus Amplitude	60

← Initial value

6) S6 : No Use

7) S7 : White Balance Adjustment mode

White Balance Control			
Drive R	128	Bias R	64
G	32	G	224
B	128	B	64

← Initial value

8) S8 : Sub Brightness Adjustment mode.

Brightness	24	Coring	63
Contrast	22	VM Gain	27
Color	32	VM Limit	40
Tint	37		

← Initial value

9) S9 : Software Version

2000/04/06 08:30 AM

10) S12 : Factory Setting

3. Selecting the adjusting items

1) With the user remote control

Pressing of ARROW ▲ button changes the adjustment items. (▼ button for reverse order)

2) With the service remote control

Pressing of CHANNEL ▲ button changes the adjustment items. (▼ button for reverse order)

4. Adjusting the data

1) With the user remote control

Pressing of ARROW◀ button changes the value of data. (▶button for reverse order)

2) With the service remote control

Pressing of VOLUME◀ button changes the value of data. (▶ button for reverse order)

5. Exit from Service Mode

Press again to make service mode exit.

6. General Adjustment

In the majority of cases, a high definition digital television will need basic adjustments such as high voltage, screen voltage, focus, white balance, sub brightness, geometry, and blanking width. All adjustments should be performed after heat-running the set for at least 20 minutes.

1. Press the S1 button on the service remote control, and then full white pattern will appear on the screen.
2. Press again the S1 button, and then the pattern will disappear.

High Voltage Adjustment

1. Operate the set for at least 20 minutes.
2. Connect the probe of high voltage meter to CRT ANODE.
3. Adjust the variable register RV801 on the power assembly so that high voltage may be to be between 29.5KV ~ 30.5KV.

Screen Voltage Adjustment

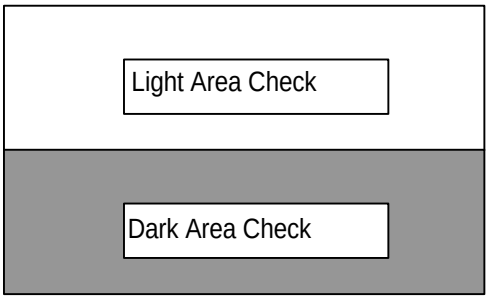
1. Press the S2 button on the service remote control.
   1) Video Input mode will be VIDEO 1.
   2) Vertical deflection will be down, and a horizontal line will appear on the screen.
2. Turn the variable screen volume of FBT to adjust screen voltage, at the point that a horizontal line only just appears.

Focus Adjustment

1. Tune on Retma pattern.
2. Turn the variable focus volume of FBT so that the center area of screen is sharp scanning line.
3. Turn the variable volume R522 on the CRT assembly so that the edge of screen may be sharp scanning line.

White Balance Adjustment

1. Input the Black & white signal to the HD Component jack on the rear panel.
   <Black & White Pattern>



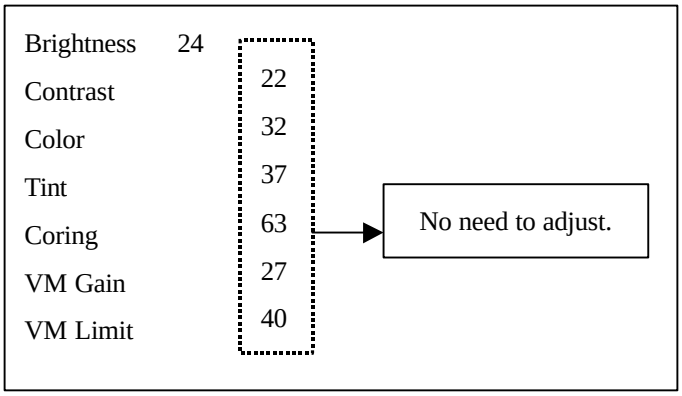
2. The color temperature is the following.
   ✓ x=0.270 ± 0.005 y=0.270 ± 0.005
   ✓ Color temperature : 10500 °K

3. Light Area Adjustment
   1) Press S7 button.
   2) On the center of light area, attach the sensor of a white balance meter.
   3) To be Y=125, turn the Light Beam control volume on the White & Black pattern generator.
   4) To adjust the white balance of light area, select Drive R, G, B with CHANNEL Up or Down buttons, and adjust individual vales with VOLUME Up or Down buttons.

4. Dark Area Adjustment
   1) On the center of dark area, attach the sensor of a white balance meter.
   2) To be Y=12, turn the Dark Beam control volume on the White & Black pattern generator.
   3) To adjust the white balance of dark area, select Bias R, G, B with CHANNEL Up or Down buttons, and adjust individual values with VOLUME Up or Down buttons.
   4) Repeat two processes above until the white balance is completed.

Sub Brightness Adjustment

1. Tune on Retma Pattern.
2. Press S8 button.
3. The following OSD menu will appear on the screen, and the data are initial balues before adjusting.

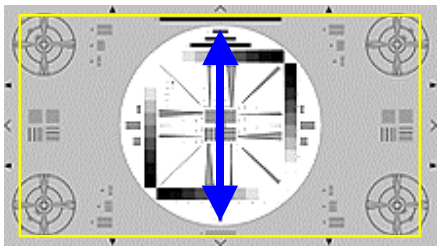
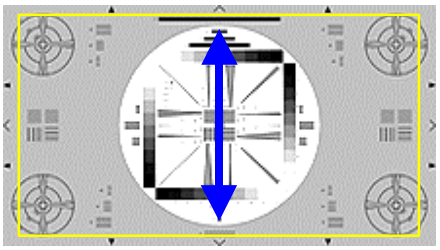
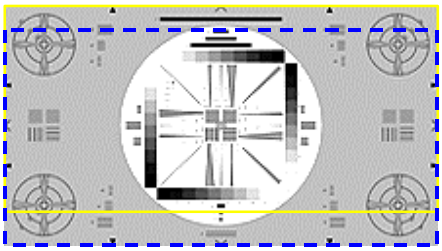
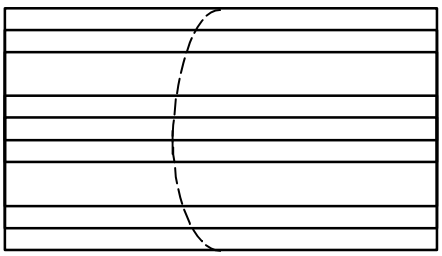


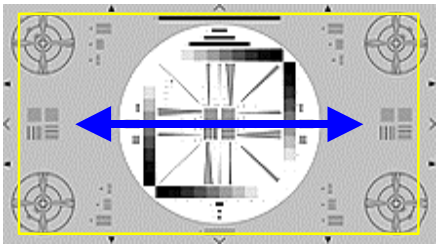
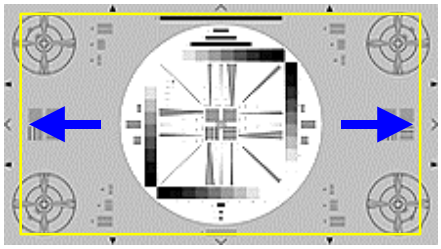
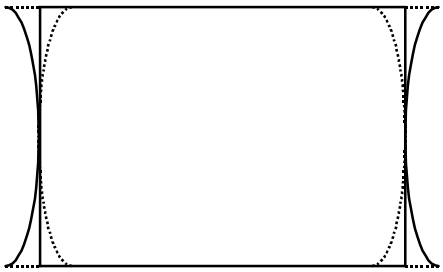
4. To be between Step 40% and 50% on the Contrast Chart, perform fine adjustment of sub brightness.

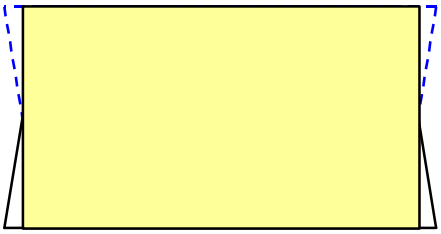
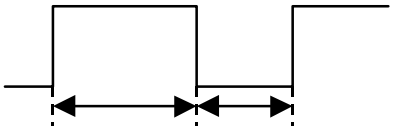
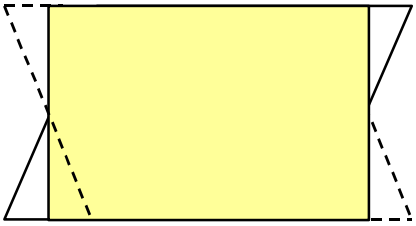
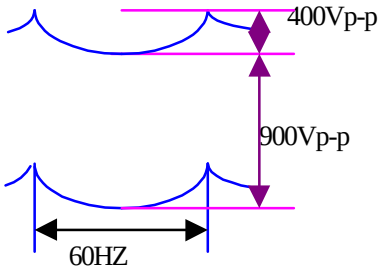
40%	30%	20%	10%
50%	0%	0%	5%
60%	70%	80%	100%

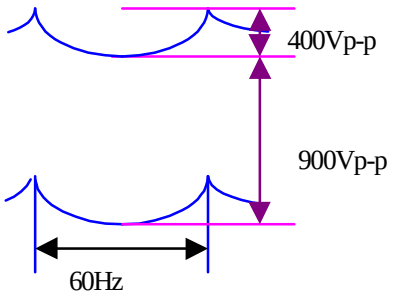
Geometry

1. To adjust V-Position, H-Size, H-Position and so forth, tune on Retma Pattern.
2. To adjust Pincushion, Parallelogram and so forth, tune on Cross Hatch signal.
3. Screen Mode should be on Full mode, and the Video Mode should be on Normal mode.
4. Press S5 button to adjust Geometry.
5. With Up/Down buttons, perform the adjustment items in the following order.

Item	Screen Image	Adjustment Procedure
V Size Max.	 Over Scanning Rate: 105%	1) Receive NTSC Retma signal. 2) The Screen mode should be selected on Full mode 3) Adjust Vertical Size so that over scanning rate may be 105%. 4) Check if the center circle is not only circular on Full mode but also on Normal mode.
Vertical Size		1) There is no need to adjust. 2) Check if the value of data is "0".
Vertical Position		1) Receive NTSC Retma signal. 2) The Screen mode should be selected on Full mode. 3) Adjost Vertical Position so that the circle of Retma signal may be centered in the verical direction.
VC Linearity		1) Receive NTSC Retma signal. 2) The Screen mode should be selected on Full mode. 3) When the center area of Retma signal's circle is S type in the vertical direction, adjust VC Linearity so that vertical interval may be the same.

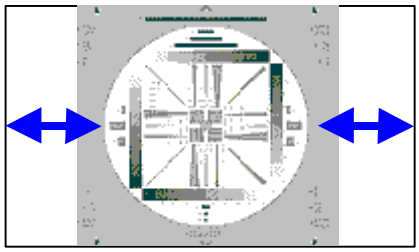
Item	Screen Image	Adjustment Procedure
V S Linearity		1) Receive NTSC Retma signal. 2) The Screen mode should be selected on Full mode 3) When the center area of Retma signal's circle is S type in the vertical direction, adjust VS Linearity so that vertical interval may be the same.
Horizontal Size		1) Receive NTSC Retma signal. 2) The Screen mode should be selected on Full mode 3) Adjust Horizontal Size for over scanning rate 106% 4) Check if the center circle of Retma signal is circle on Normal mode.
Horizontal Position		1) Receive NTSC Retma signal. 2) The Screen mode should be selected on Full mode. 3) Adjust Vertical Position so that the circle of Retma signal may be centered in the vertical direction.
Pincushion		1) Receive NTSC Cross Hatch signal. 2) The Screen mode should be selected on Full mode. 3) When the vertical lines of the left and right side are distorted such as the left figure, adjust Pincushion so that the vertical lines may be straight.
Side Pin W		1) Receive NTSC Cross Hatch signal. 2) The Screen mode should be selected on Full mode. 3) When the vertical lines of the left and right side are not straight but distorted in the W type, adjust Side Pin W to correct the unbalanced vertical lines.

Item	Screen Image	Adjustment Procedure
Side Pin S		1) Receive NTSC Cross Hatch signal. 2) The Screen mode should be selected on Full mode. 3) When the vertical lines of the left and right side is not straight but distorted in the S type, adjust Side Pin S to correct the unbalanced vertical lines.
Trapezoid		1) Receive NTSC Cross Hatch signal. 2) The Screen mode should be selected on Full mode. 3) When the screen shape is not rectangular but trapezoid, adjust Trapezoid to correct the unbalanced shape.
Side Pin Balance		1) Receive NTSC Cross signal. 2) The Screen mode should be selected on Full mode. 3) When both the left and right screen shape is not symmetrical but on one side, adjust Side Pin Balance to correct the unbalanced shape.
H Duty		1) There is no need to adjust. 2) Check if the value of data is "31".
Paralle-logram		1) Receive NTSC Cross Hatch signal. 2) The Screen mode should be selected on Full mode. 3) When both the left and right screen shape is on one side, adjust Parallelogram to correct the unbalanced shape.
H Focus Phase		1) There is no need to adjust, and check if the value of data is "32". 2) Check that the focus on the right and left side is clear.

Item	Screen Image	Adjustment Procedure
H Focus Amplitude		1) There is no need to adjust, and check if the value of data is "32". 2) Check if the focus on the right and left side is clear.

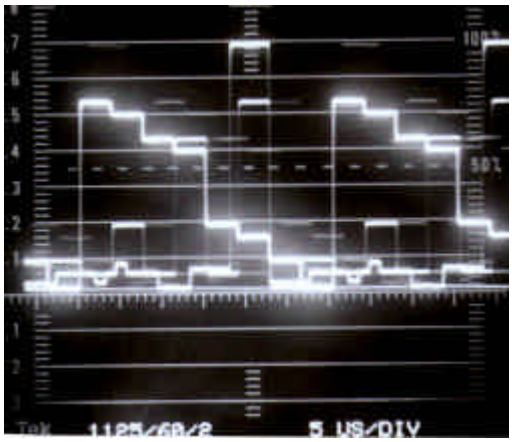
Blanking Width

1. Tune on NTS Retma pattern.
2. Press Screen mode on the remote control, and then slelct Normal mode.
3. To be symmetrical the screen, adjust Blanking Width with rotating the variable volume RU19 on the Blanking Board.



Y Level Adjustment (to DTV Decoder module)

1. Tune on SMPTE Color Bar signal.
2. Connect a scope probe to pin 9 of PW06V.
3. Adjust RV900 such as the following figure so that the amplitude of Y level may be 0.7Vp-p.



7. Special Adjustment (When replacing new circuit boards)

1. DTV Decoder module

1) Before replacing a new module, if seeing OSD menu is possible, record the adjusted data value of White Balance and Geometry.
2) After replacing the defective module with a new one, memorize the value of data value to the new DTV decoder module with the service remote control.
3) Perform the Y Level Adjustment.

2. Power assembly

1) After replacing a new assembly, perform the High Voltage Adjustment at the normal video and audio.
2) X-Rediation Protection Circuit Test

When service has been performed on the horizontal deflection system, high voltage system or B+ system, the X-Radiation Protection Circuit Test must be tested for proper operation as follows:

2-1) Operate the HDTV set for at least 15 minutes.
2-2) Perform this test at the normal video and sound.
2-3) Check the cathode voltage of D837. Its voltage should be about 26VDC.
2-4) Connect a resister 24KΩ(1/4W) with parallel to R925.
2-5) Then the set will be shut down, lighting up red to the power indicator.
2-6) If it is not, the circuit of X-Radiation Progtection must be repaired before the set is returned to the customer.

3) The rest adjustment idems art no need to adjust.

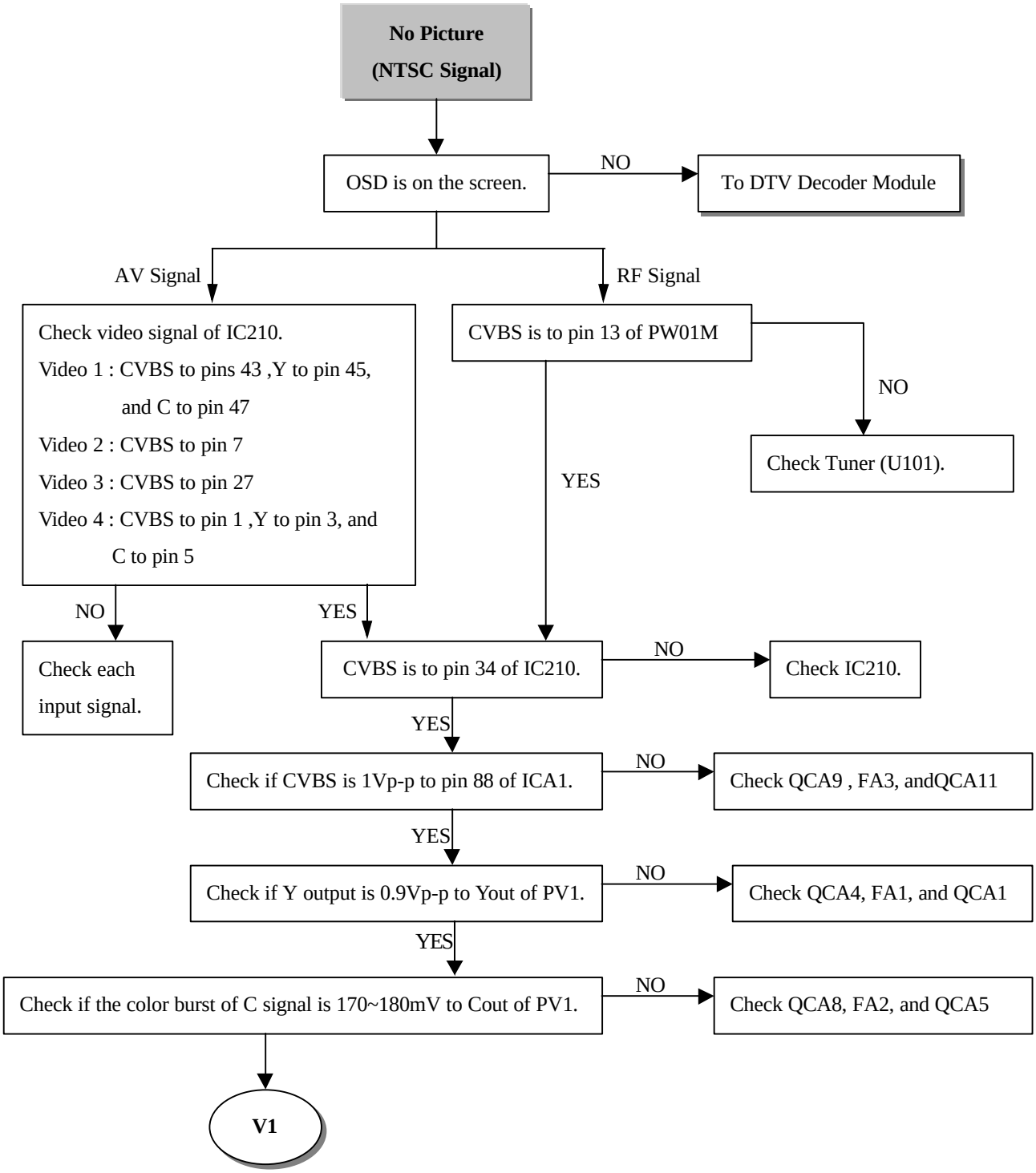
3. Main assembly

1) After replacing a new assembly, perform the Blanking Width adjustment.
2) The rest adjustments are no need to adjust.

4. Video assembly

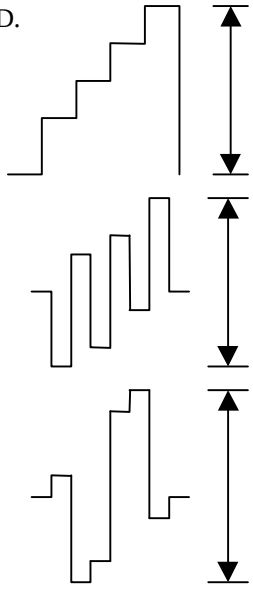
1) No need to adjust.

8. Troubleshooting charts.


No Picture
(NTSC Signal)
OSD is on the screen.
NO
To DTV Decoder Module
AV Signal
RF Signal
Check video signal of IC210.
Video 1 : CVBS to pins 43 ,Y to pin 45,
and C to pin 47
Video 2 : CVBS to pin 7
Video 3 : CVBS to pin 27
Video 4 : CVBS to pin 1 ,Y to pin 3, and
C to pin 5
CVBS is to pin 13 of PW01M
NO
Check Tuner (U101).
YES
NO
YES
Check each
input signal.
CVBS is to pin 34 of IC210.
NO
Check IC210.
YES
Check if CVBS is 1Vp-p to pin 88 of ICA1.
NO
Check QCA9 , FA3, andQCA11
YES
Check if Y output is 0.9Vp-p to Yout of PV1.
NO
Check QCA4, FA1, and QCA1
YES
Check if the color burst of C signal is 170~180mV to Cout of PV1.
NO
Check QCA8, FA2, and QCA5
V1

V1

When input signal is color bar, check the following output level to PA06D.



NO → To DTV Decoder Module

YES

Check the input and output signal of IC208.
Pins 9, 10, and 11 : Low (Base of QC215 : High)
Pin 14 : Y signal Pin 15 : Pb signal
Pin 4 : Pr signal

NO → Check IC208
Check logical state to pin 52 of IC 212.
(NTSC, DTV signal : High
External HD Component : Low)

YES

VIDEO → Check if Y, Pb, and Pr are input to pins 45, 47, and 1 of IC200.

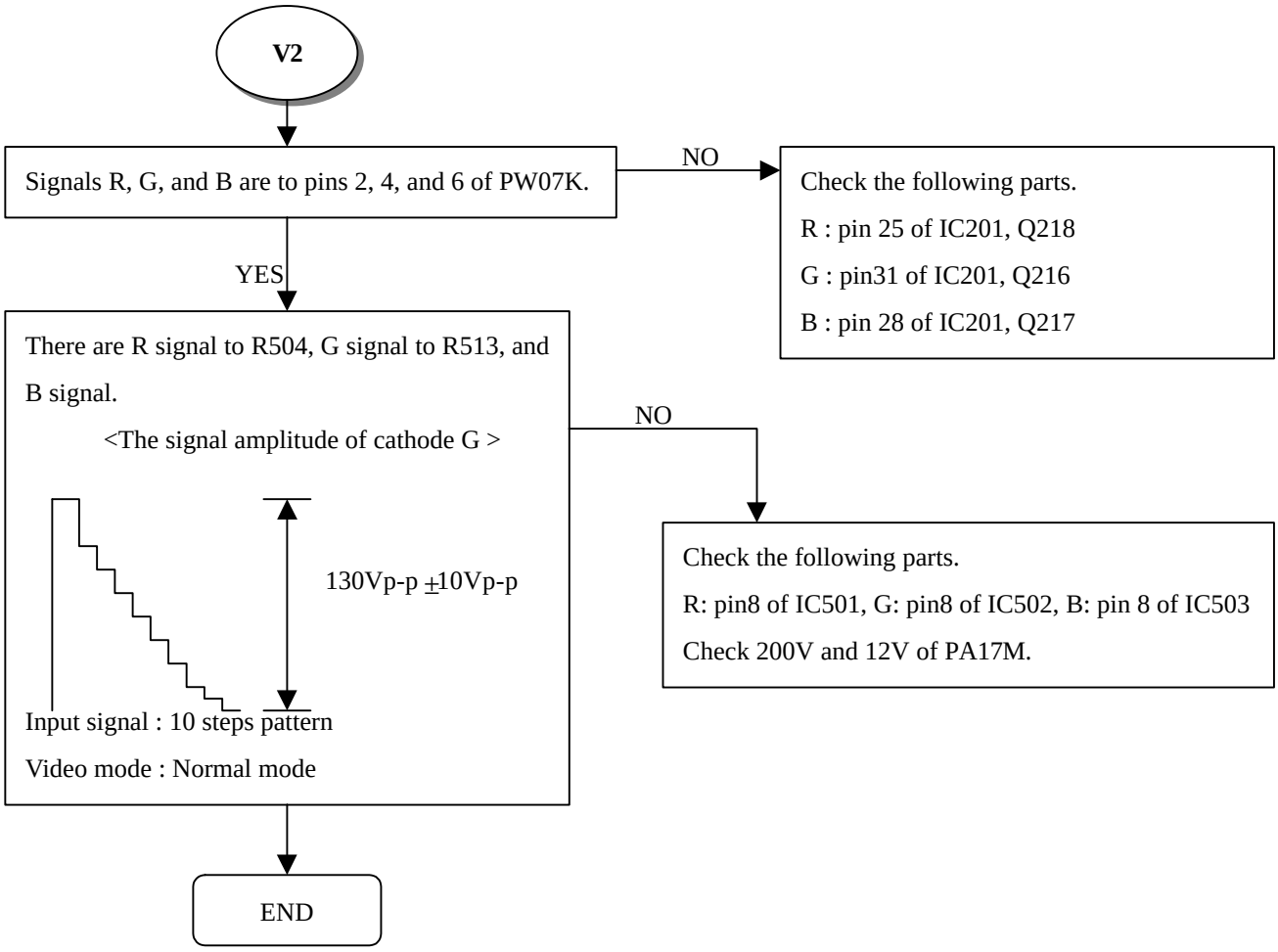
NO → Check the following parts.
Y : Q204, Q205 Pb : Q202, Q203
Pr : Q200, Q201

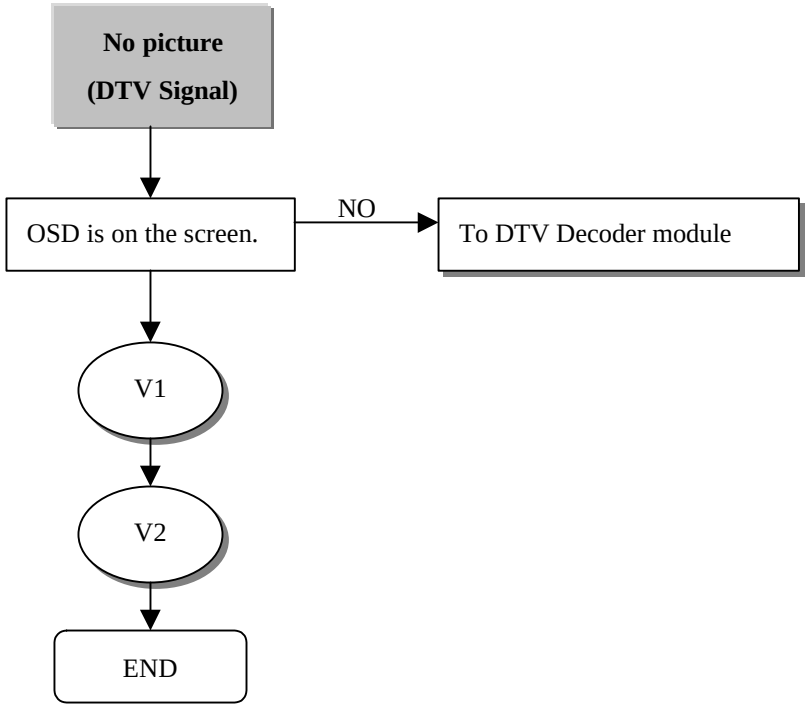
YES

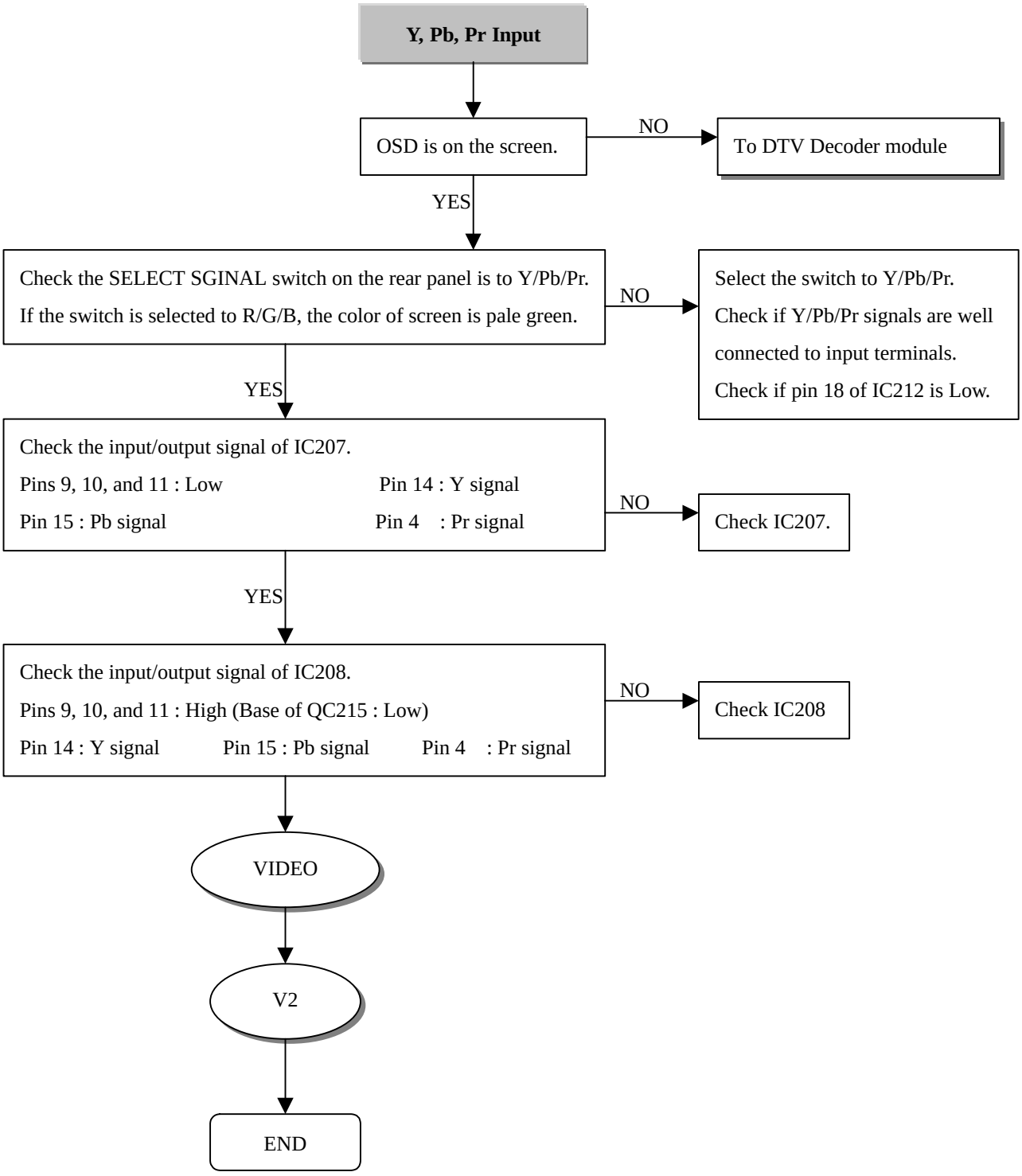
Check if Y, Pb, and Pr are input to pins 58, 59, and 57 of IC200.

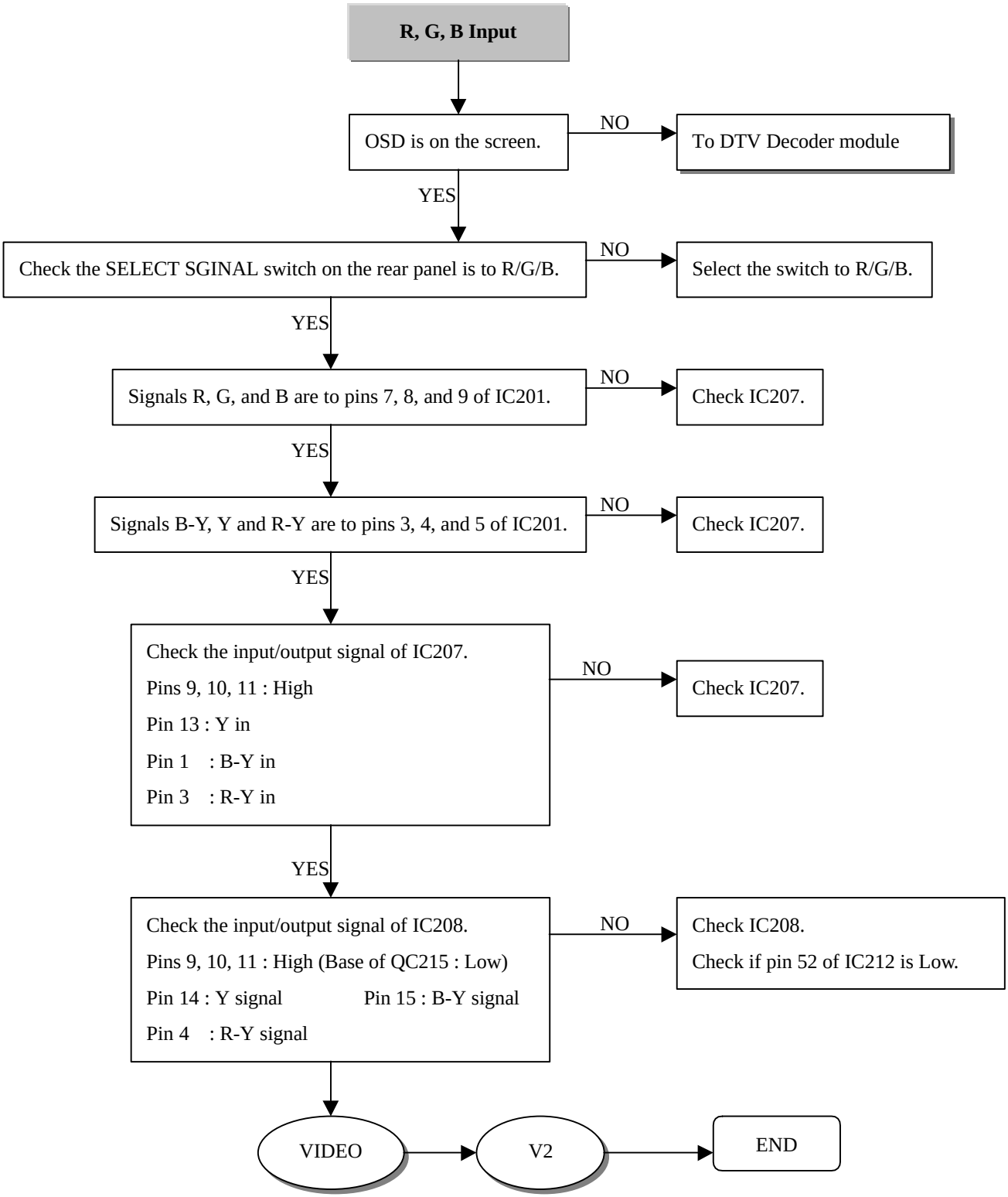
NO → Check the following parts.
Y : pin 27 of IC200, Q208, Q209, and Q210
Pb : pin 15 of IC200 Pr : pin 13 of IC200

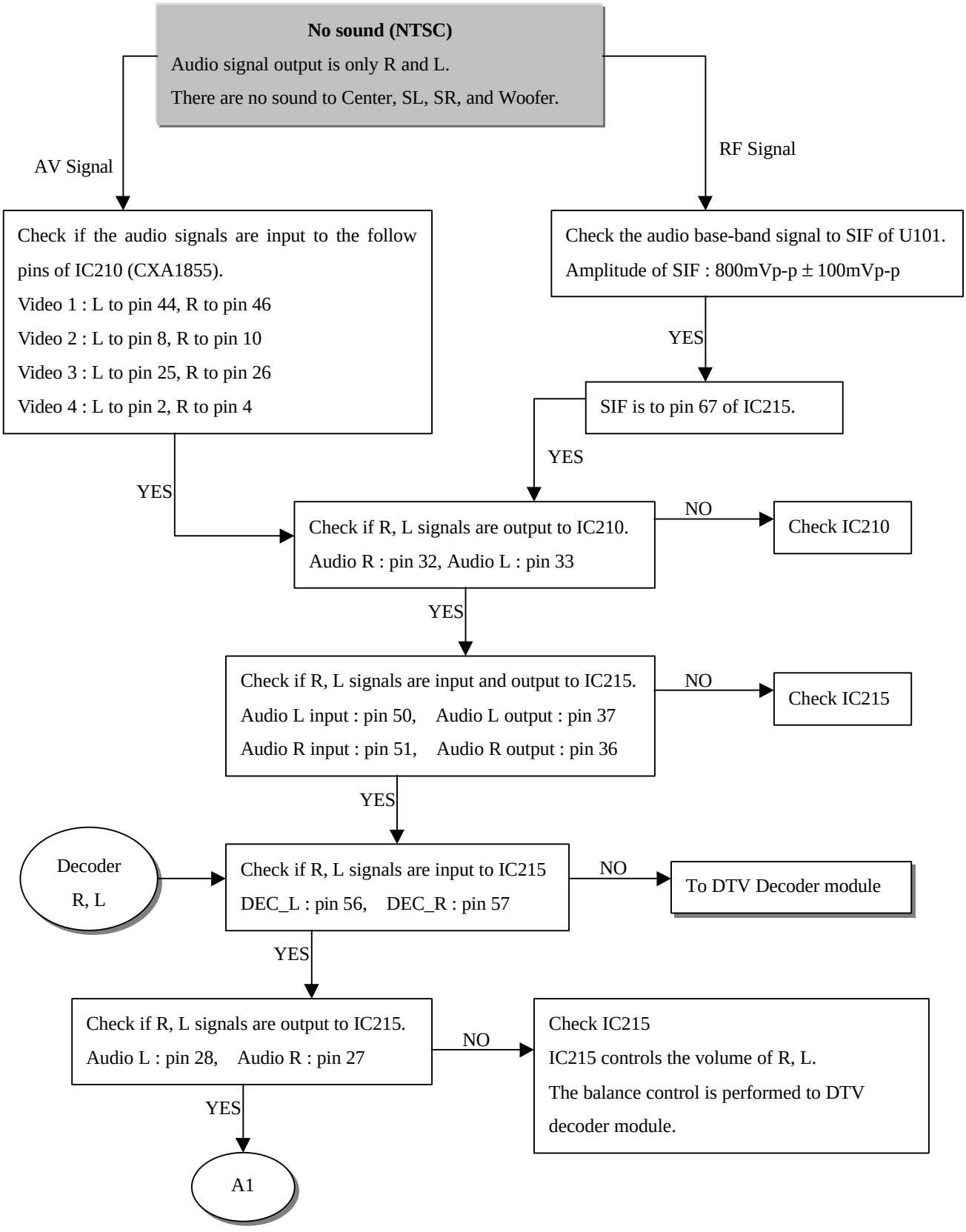
V2

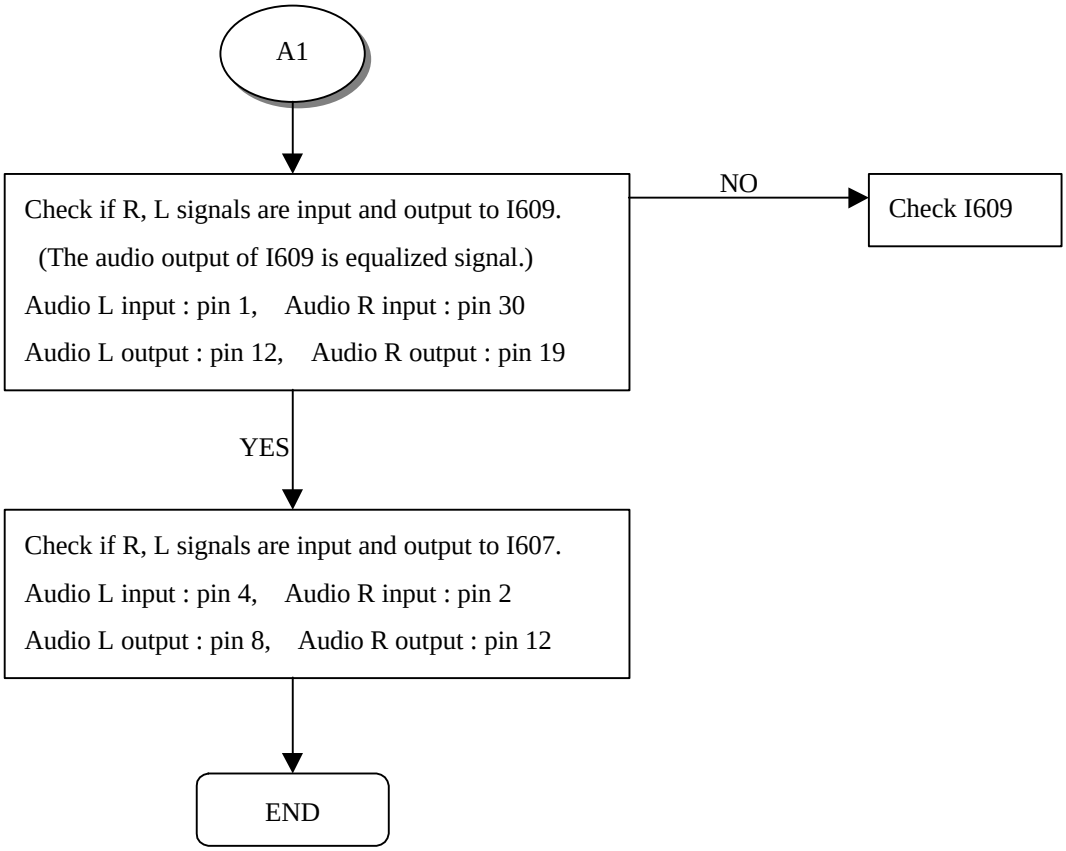

V2
Signals R, G, and B are to pins 2, 4, and 6 of PW07K.
NO
Check the following parts.
R : pin 25 of IC201, Q218
G : pin31 of IC201, Q216
B : pin 28 of IC201, Q217
YES
There are R signal to R504, G signal to R513, and B signal.
<The signal amplitude of cathode G >
NO
130Vp-p ±10Vp-p
Check the following parts.
R: pin8 of IC501, G: pin8 of IC502, B: pin 8 of IC503
Check 200V and 12V of PA17M.
Input signal : 10 steps pattern
Video mode : Normal mode
END

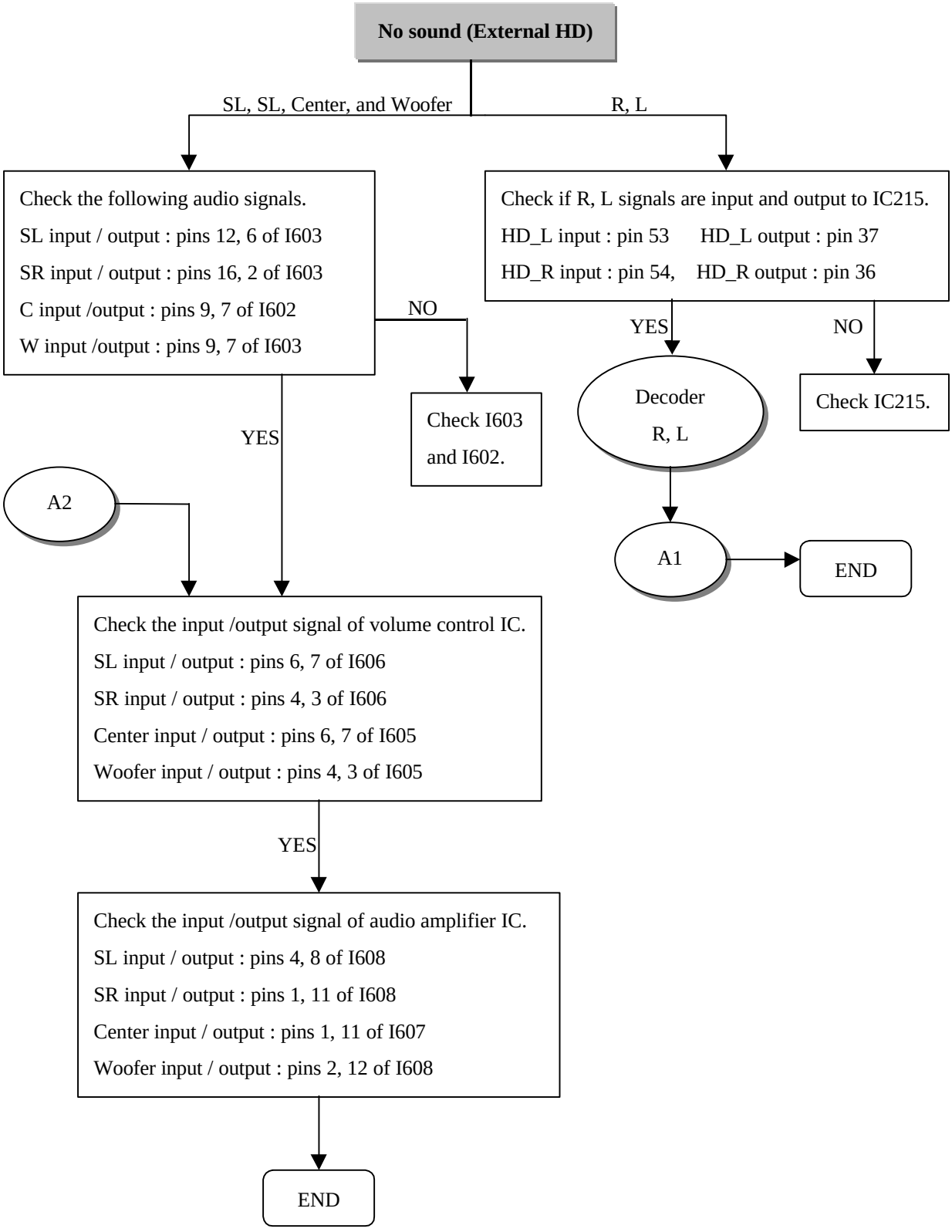

No picture
(DTV Signal)
OSD is on the screen.
NO
To DTV Decoder module
V1
V2
END

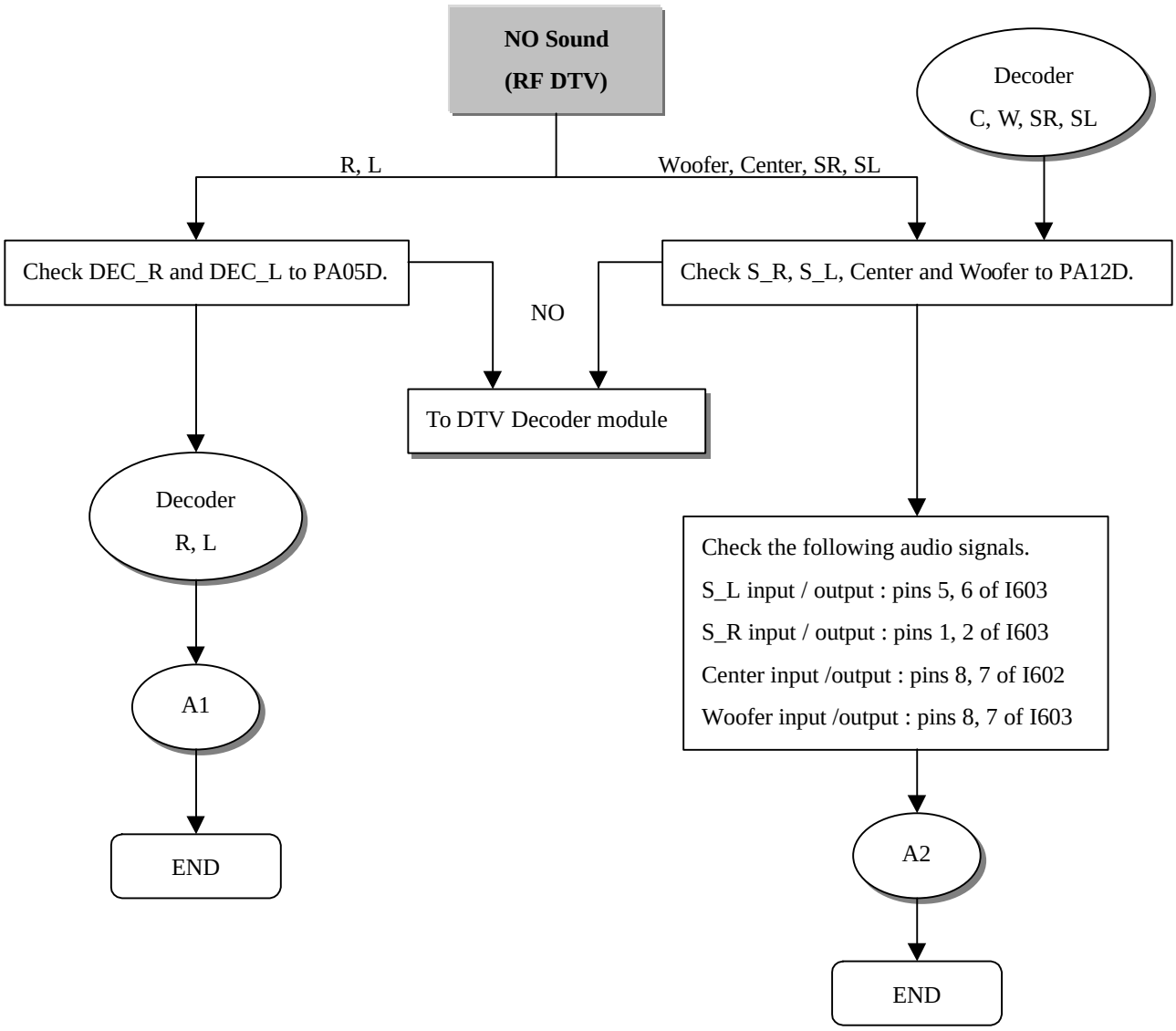

Y, Pb, Pr Input
OSD is on the screen.
NO
To DTV Decoder module
YES
Check the SELECT SGINAL switch on the rear panel is to Y/Pb/Pr.
If the switch is selected to R/G/B, the color of screen is pale green.
NO
Select the switch to Y/Pb/Pr.
Check if Y/Pb/Pr signals are well connected to input terminals.
Check if pin 18 of IC212 is Low.
YES
Check the input/output signal of IC207.
Pins 9, 10, and 11 : Low
Pin 14 : Y signal
Pin 15 : Pb signal
Pin 4 : Pr signal
NO
Check IC207.
YES
Check the input/output signal of IC208.
Pins 9, 10, and 11 : High (Base of QC215 : Low)
Pin 14 : Y signal
Pin 15 : Pb signal
Pin 4 : Pr signal
NO
Check IC208
VIDEO
V2
END

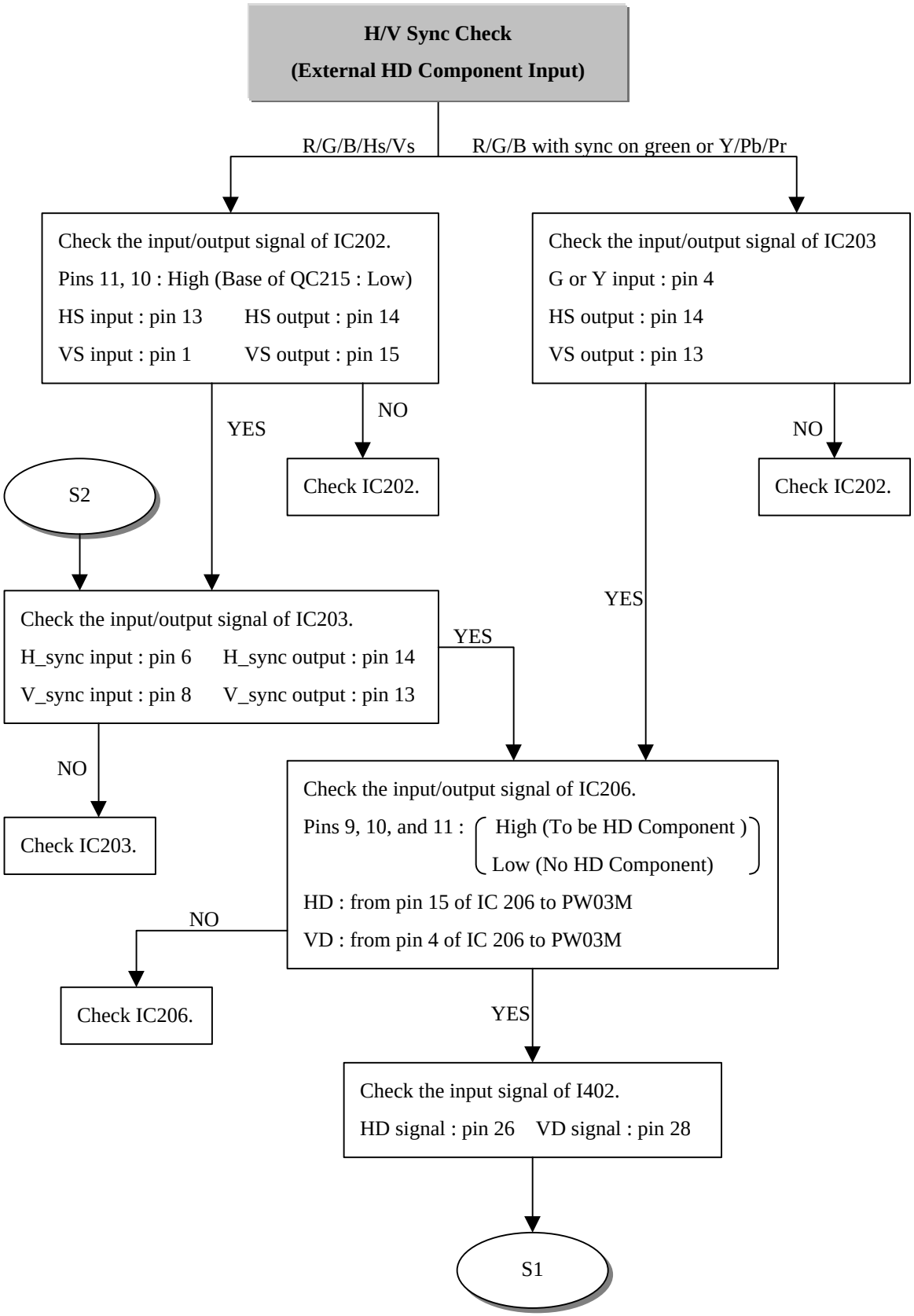

R, G, B Input
OSD is on the screen.
NO
To DTV Decoder module
YES
Check the SELECT SGINAL switch on the rear panel is to R/G/B.
NO
Select the switch to R/G/B.
YES
Signals R, G, and B are to pins 7, 8, and 9 of IC201.
NO
Check IC207.
YES
Signals B-Y, Y and R-Y are to pins 3, 4, and 5 of IC201.
NO
Check IC207.
YES
Check the input/output signal of IC207.
Pins 9, 10, 11 : High
Pin 13 : Y in
Pin 1 : B-Y in
Pin 3 : R-Y in
NO
Check IC207.
YES
Check the input/output signal of IC208.
Pins 9, 10, 11 : High (Base of QC215 : Low)
Pin 14 : Y signal
Pin 15 : B-Y signal
Pin 4 : R-Y signal
NO
Check IC208.
Check if pin 52 of IC212 is Low.
VIDEO
V2
END

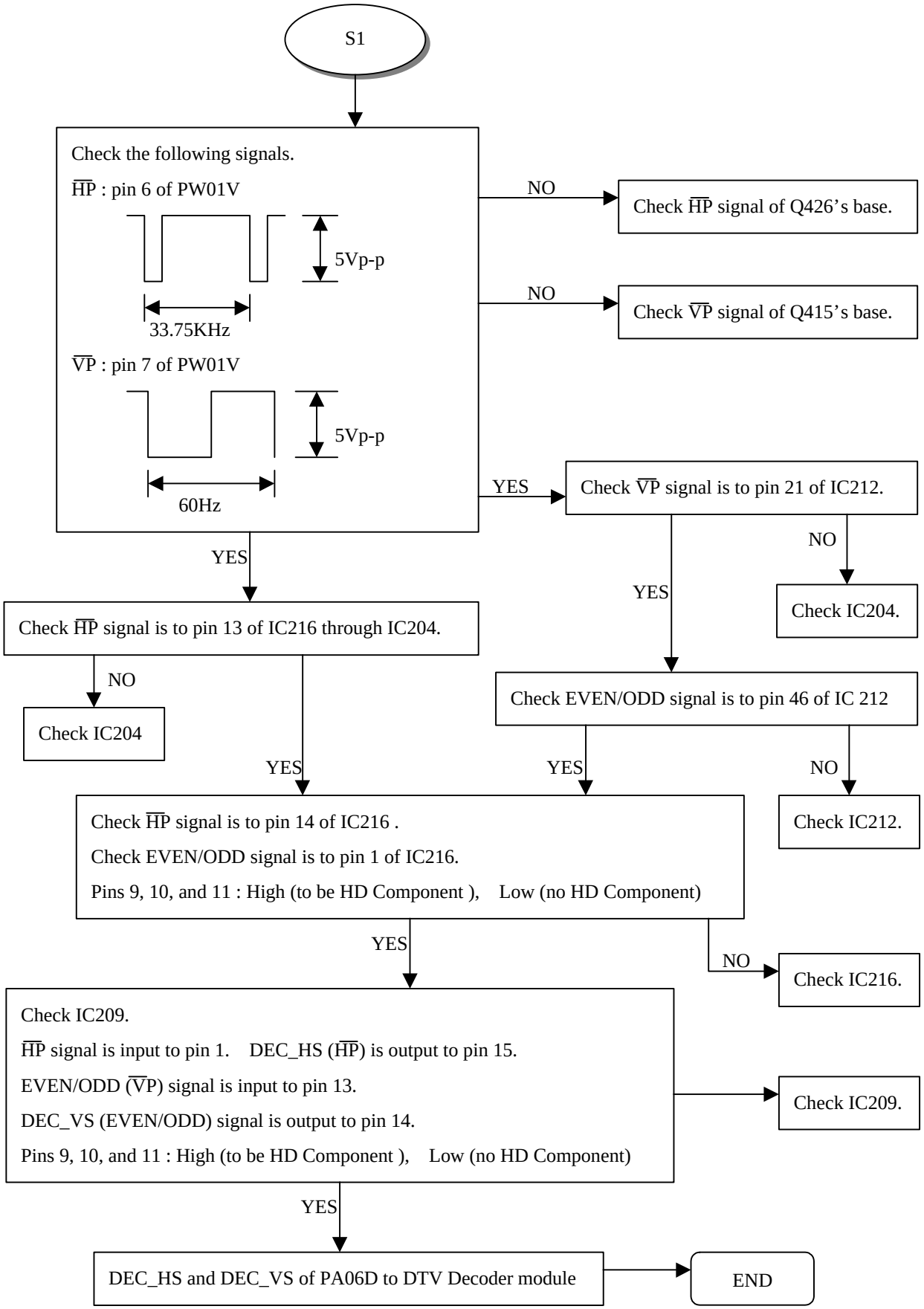

No sound (NTSC)
Audio signal output is only R and L.
There are no sound to Center, SL, SR, and Woofer.
AV Signal
RF Signal
Check if the audio signals are input to the follow pins of IC210 (CXA1855).
Video 1 : L to pin 44, R to pin 46
Video 2 : L to pin 8, R to pin 10
Video 3 : L to pin 25, R to pin 26
Video 4 : L to pin 2, R to pin 4
Check the audio base-band signal to SIF of U101.
Amplitude of SIF : 800mVp-p ± 100mVp-p
YES
SIF is to pin 67 of IC215.
YES
YES
Check if R, L signals are output to IC210.
Audio R : pin 32, Audio L : pin 33
NO
Check IC210
YES
Check if R, L signals are input and output to IC215.
Audio L input : pin 50, Audio L output : pin 37
Audio R input : pin 51, Audio R output : pin 36
NO
Check IC215
YES
Decoder
R, L
Check if R, L signals are input to IC215
DEC_L : pin 56, DEC_R : pin 57
NO
To DTV Decoder module
YES
Check if R, L signals are output to IC215.
Audio L : pin 28, Audio R : pin 27
NO
Check IC215
IC215 controls the volume of R, L.
The balance control is performed to DTV decoder module.
YES
A1

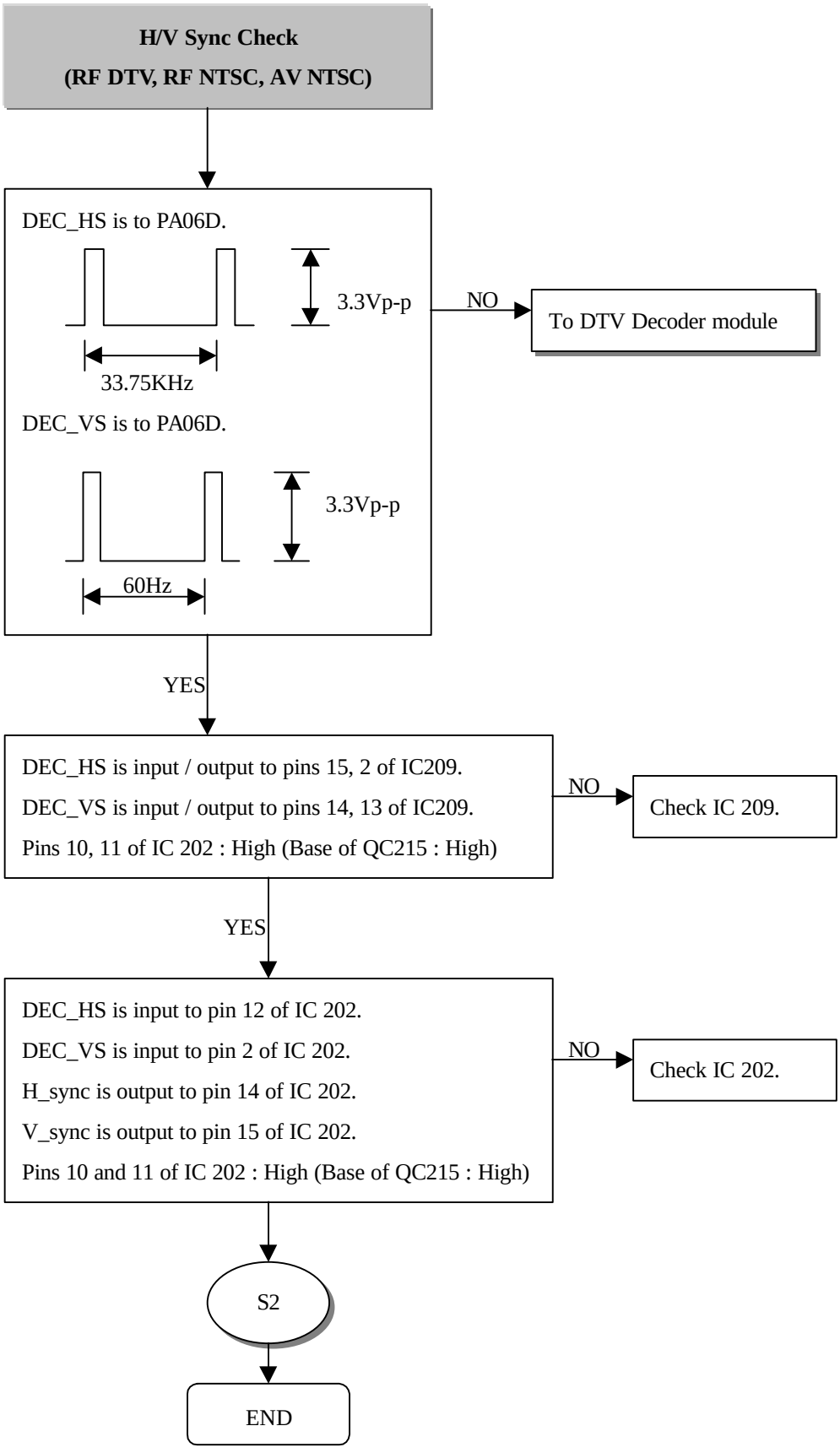

A1
Check if R, L signals are input and output to I609.
(The audio output of I609 is equalized signal.)
Audio L input : pin 1, Audio R input : pin 30
Audio L output : pin 12, Audio R output : pin 19
NO
Check I609
YES
Check if R, L signals are input and output to I607.
Audio L input : pin 4, Audio R input : pin 2
Audio L output : pin 8, Audio R output : pin 12
END


No sound (External HD)
SL, SL, Center, and Woofer
R, L
Check the following audio signals.
SL input / output : pins 12, 6 of I603
SR input / output : pins 16, 2 of I603
C input /output : pins 9, 7 of I602
W input /output : pins 9, 7 of I603
NO
Check I603 and I602.
YES
A2
Check if R, L signals are input and output to IC215.
HD_L input : pin 53 HD_L output : pin 37
HD_R input : pin 54, HD_R output : pin 36
YES
NO
Decoder R, L
Check IC215.
A1
END
Check the input /output signal of volume control IC.
SL input / output : pins 6, 7 of I606
SR input / output : pins 4, 3 of I606
Center input / output : pins 6, 7 of I605
Woofer input / output : pins 4, 3 of I605
YES
Check the input /output signal of audio amplifier IC.
SL input / output : pins 4, 8 of I608
SR input / output : pins 1, 11 of I608
Center input / output : pins 1, 11 of I607
Woofer input / output : pins 2, 12 of I608
END


NO Sound
(RF DTV)
Decoder
C, W, SR, SL
R, L
Woofer, Center, SR, SL
Check DEC_R and DEC_L to PA05D.
NO
Check S_R, S_L, Center and Woofer to PA12D.
To DTV Decoder module
Decoder
R, L
A1
END
Check the following audio signals.
S_L input / output : pins 5, 6 of I603
S_R input / output : pins 1, 2 of I603
Center input /output : pins 8, 7 of I602
Woofer input /output : pins 8, 7 of I603
A2
END


H/V Sync Check
(External HD Component Input)
R/G/B/Hs/Vs
R/G/B with sync on green or Y/Pb/Pr
Check the input/output signal of IC202.
Pins 11, 10 : High (Base of QC215 : Low)
HS input : pin 13 HS output : pin 14
VS input : pin 1 VS output : pin 15
Check the input/output signal of IC203
G or Y input : pin 4
HS output : pin 14
VS output : pin 13
YES
NO
NO
Check IC202.
Check IC202.
S2
Check the input/output signal of IC203.
H_sync input : pin 6 H_sync output : pin 14
V_sync input : pin 8 V_sync output : pin 13
YES
YES
NO
Check IC203.
Check the input/output signal of IC206.
Pins 9, 10, and 11 : High (To be HD Component)
Low (No HD Component)
HD : from pin 15 of IC 206 to PW03M
VD : from pin 4 of IC 206 to PW03M
NO
Check IC206.
YES
Check the input signal of I402.
HD signal : pin 26 VD signal : pin 28
S1


S1
Check the following signals.
HP : pin 6 of PW01V
5Vp-p
33.75KHz
VP : pin 7 of PW01V
5Vp-p
60Hz
NO
Check HP signal of Q426's base.
NO
Check VP signal of Q415's base.
YES
Check VP signal is to pin 21 of IC212.
NO
Check IC204.
YES
YES
Check HP signal is to pin 13 of IC216 through IC204.
NO
Check IC204
Check EVEN/ODD signal is to pin 46 of IC 212
YES
YES
NO
Check IC212.
Check HP signal is to pin 14 of IC216 .
Check EVEN/ODD signal is to pin 1 of IC216.
Pins 9, 10, and 11 : High (to be HD Component), Low (no HD Component)
YES
NO
Check IC216.
Check IC209.
HP signal is input to pin 1. DEC_HS (HP) is output to pin 15.
EVEN/ODD (VP) signal is input to pin 13.
DEC_VS (EVEN/ODD) signal is output to pin 14.
Pins 9, 10, and 11 : High (to be HD Component), Low (no HD Component)
Check IC209.
YES
DEC_HS and DEC_VS of PA06D to DTV Decoder module
END

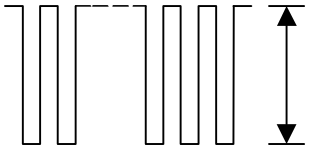

H/V Sync Check
(RF DTV, RF NTSC, AV NTSC)
DEC_HS is to PA06D.
3.3Vp-p
33.75KHz
NO
To DTV Decoder module
DEC_VS is to PA06D.
3.3Vp-p
60Hz
YES
DEC_HS is input / output to pins 15, 2 of IC209.
DEC_VS is input / output to pins 14, 13 of IC209.
Pins 10, 11 of IC 202 : High (Base of QC215 : High)
NO
Check IC 209.
YES
DEC_HS is input to pin 12 of IC 202.
DEC_VS is input to pin 2 of IC 202.
H_sync is output to pin 14 of IC 202.
V_sync is output to pin 15 of IC 202.
Pins 10 and 11 of IC 202 : High (Base of QC215 : High)
NO
Check IC 202.
S2
END

No Raster

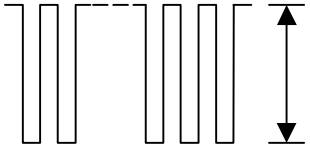
Press POWER button, and wait for 2 minutes.
Power LED keeps continuously lighting up green.

NO

Check if TV micro- processor (IC212) communicates with DTV Decoder module on UART.
If the LED changes from green to red, check pin 39 (TXD) of IC212.

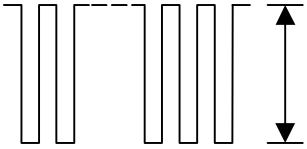


Check the pin 38 (RXD) of IC212 or pin 6 of PA05D.



YES

IC212 communicates with I402 on the IIC bus.
Check the pins 3 (SDA) and 4 (SCL) of I402.



NO

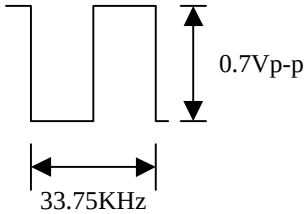
Check IC212 and I402.

YES

To DTV Decoder module

Vertical Deflection

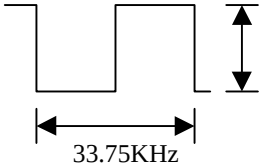
Check pin 17 (H-Drive output) of I402.



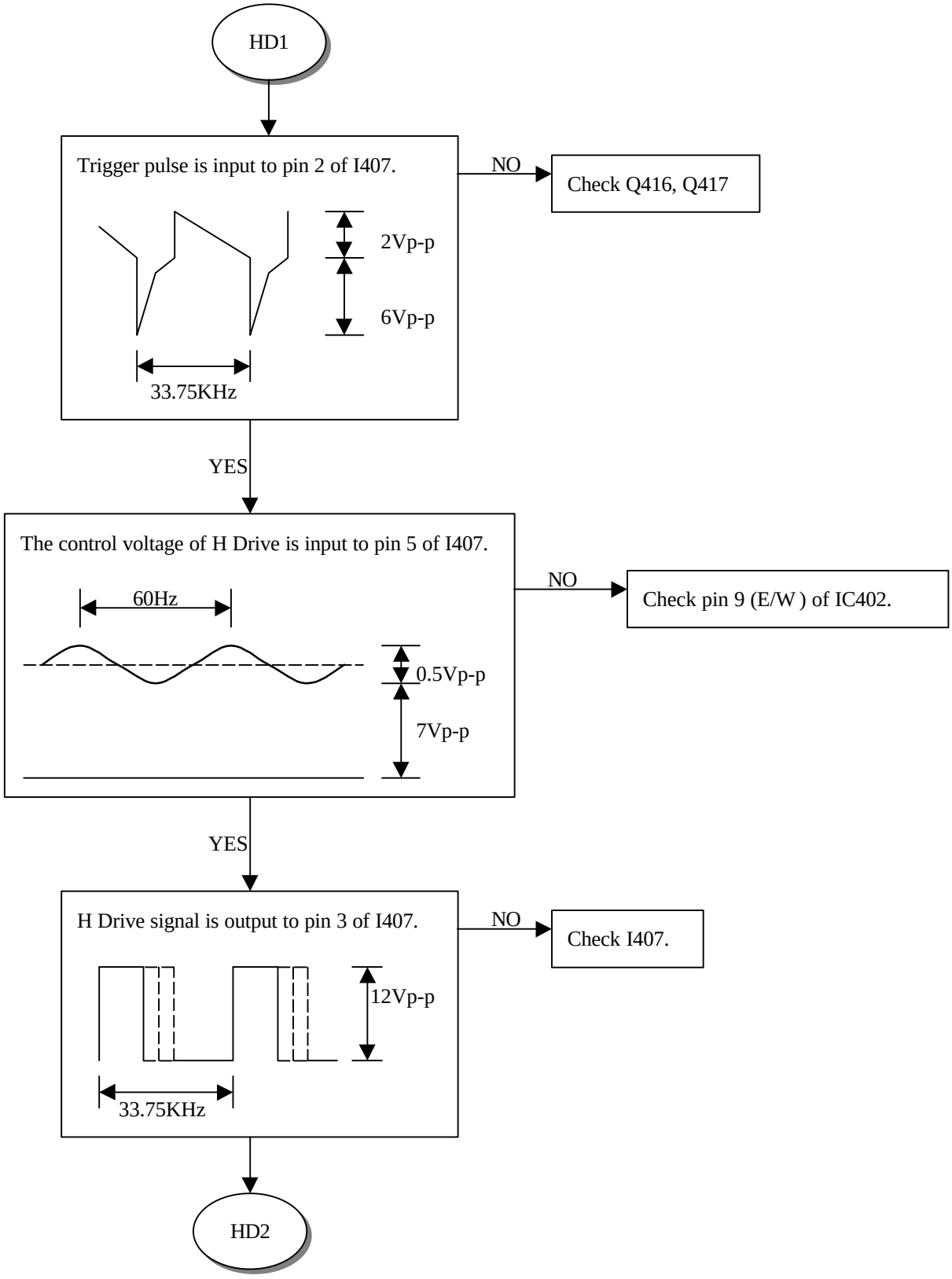
Horizontal Deflection

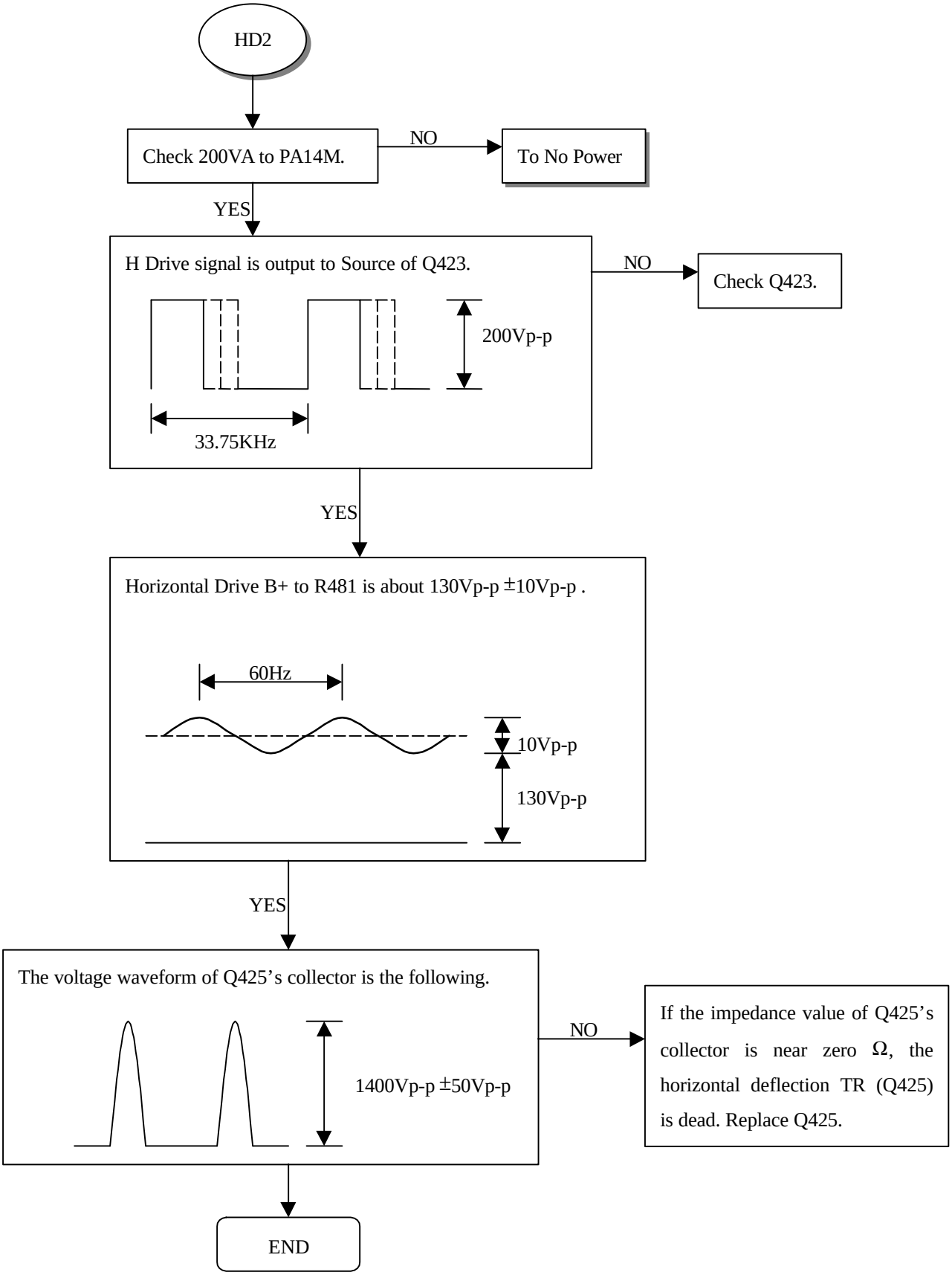
High Voltage Drive

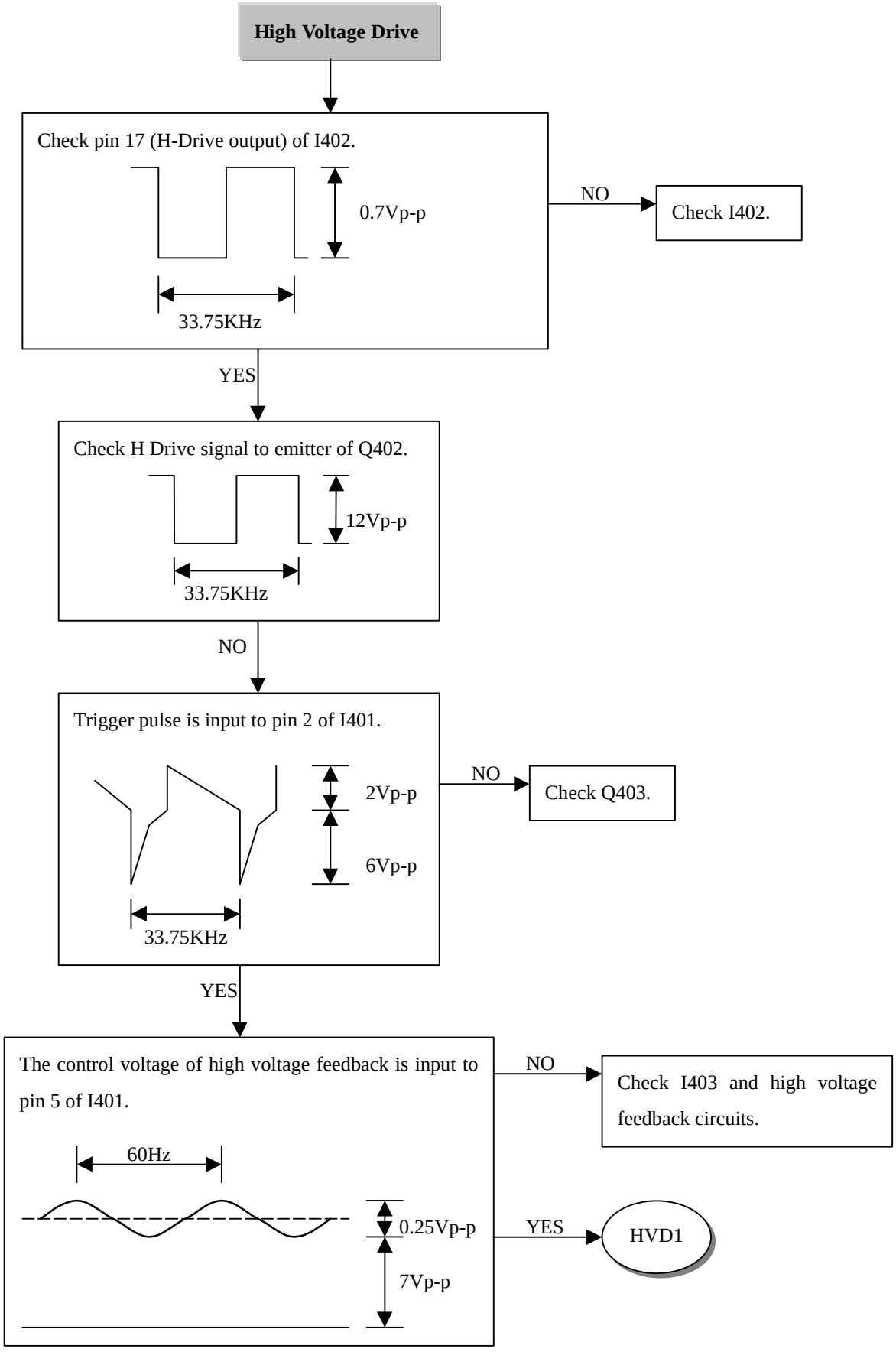
Check H Drive signal to emitter of Q420.

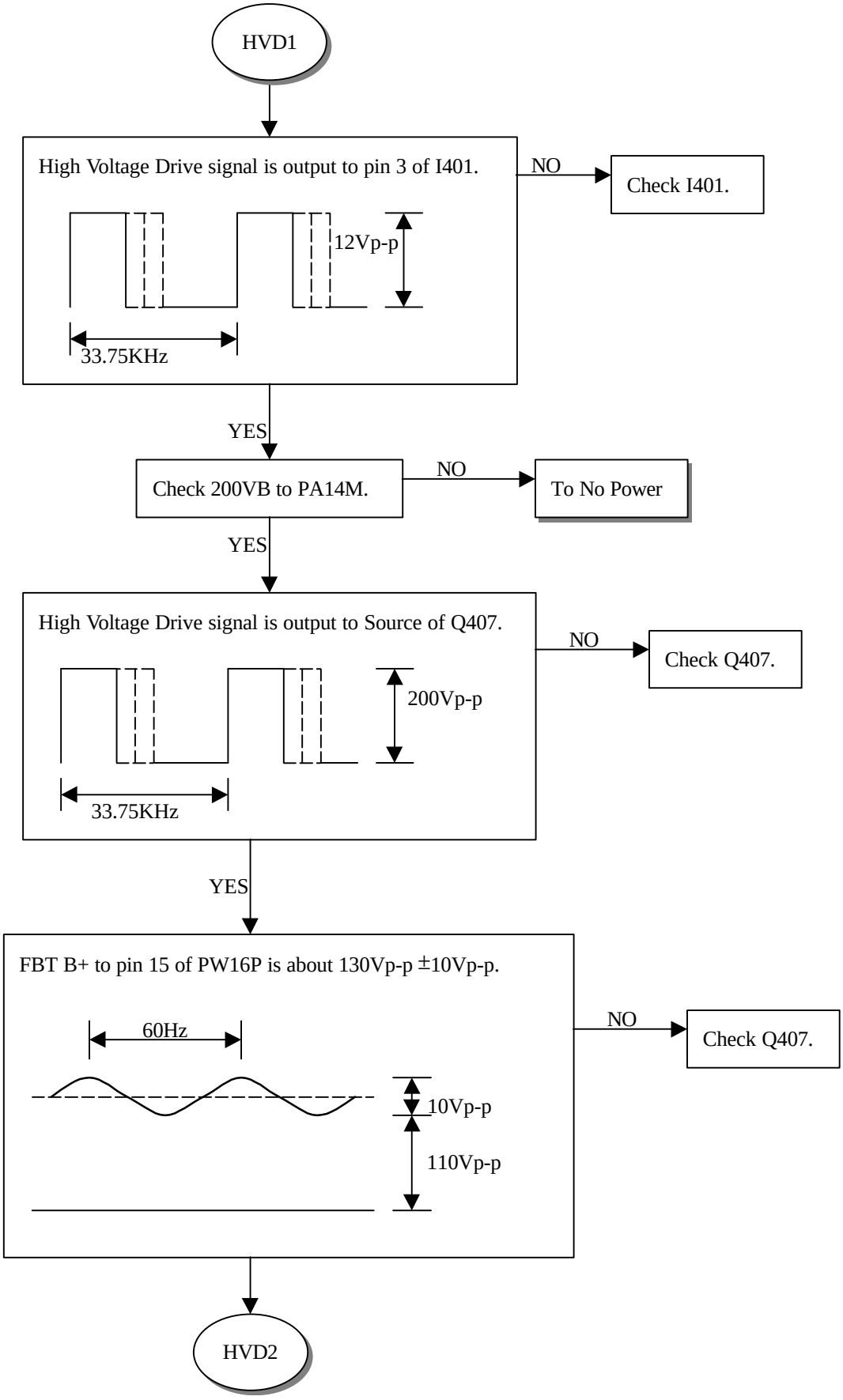


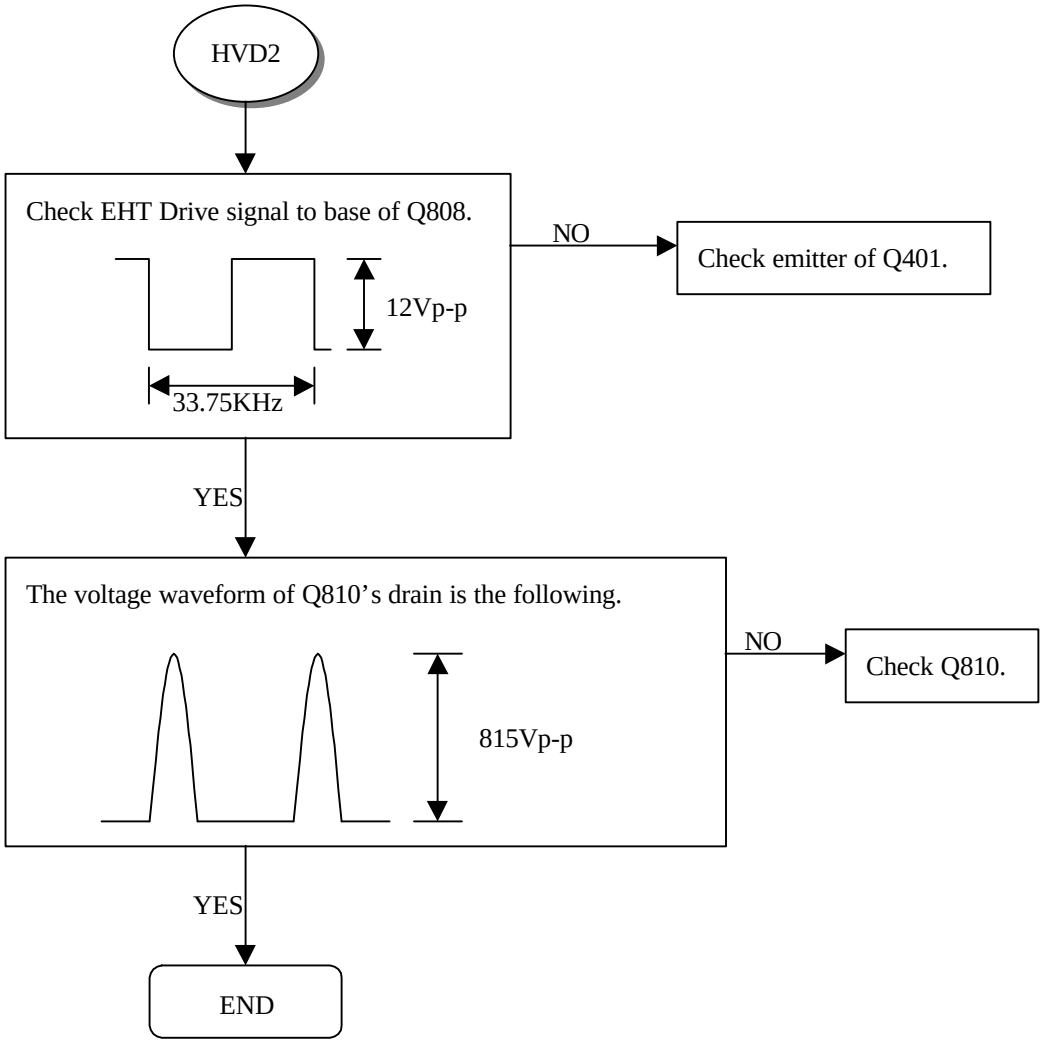
HD1

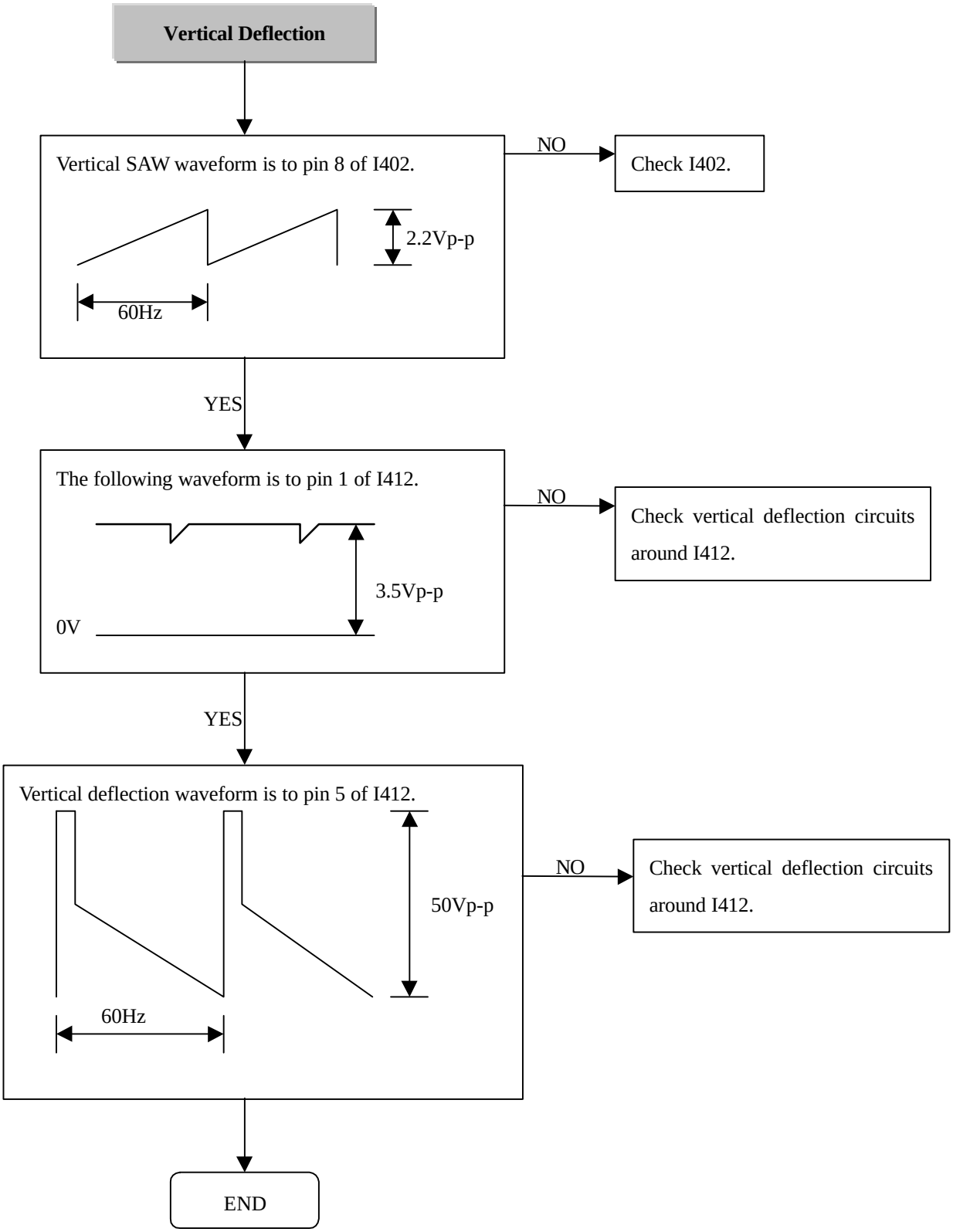

HD1
Trigger pulse is input to pin 2 of I407.
NO
Check Q416, Q417
2Vp-p
6Vp-p
33.75KHz
YES
The control voltage of H Drive is input to pin 5 of I407.
NO
Check pin 9 (E/W) of IC402.
60Hz
0.5Vp-p
7Vp-p
YES
H Drive signal is output to pin 3 of I407.
NO
Check I407.
12Vp-p
33.75KHz
HD2


HD2
Check 200VA to PA14M.
NO
To No Power
YES
H Drive signal is output to Source of Q423.
NO
Check Q423.
200Vp-p
33.75KHz
YES
Horizontal Drive B+ to R481 is about 130Vp-p ±10Vp-p .
60Hz
10Vp-p
130Vp-p
YES
The voltage waveform of Q425's collector is the following.
NO
If the impedance value of Q425's collector is near zero Ω, the horizontal deflection TR (Q425) is dead. Replace Q425.
1400Vp-p ±50Vp-p
END


High Voltage Drive
Check pin 17 (H-Drive output) of I402.
0.7Vp-p
33.75KHz
NO
Check I402.
YES
Check H Drive signal to emitter of Q402.
12Vp-p
33.75KHz
NO
Trigger pulse is input to pin 2 of I401.
2Vp-p
6Vp-p
33.75KHz
NO
Check Q403.
YES
The control voltage of high voltage feedback is input to pin 5 of I401.
60Hz
0.25Vp-p
7Vp-p
NO
Check I403 and high voltage feedback circuits.
YES
HVD1


HVD1
High Voltage Drive signal is output to pin 3 of I401.
NO
Check I401.
12Vp-p
33.75KHz
YES
Check 200VB to PA14M.
NO
To No Power
YES
High Voltage Drive signal is output to Source of Q407.
NO
Check Q407.
200Vp-p
33.75KHz
YES
FBT B+ to pin 15 of PW16P is about 130Vp-p ±10Vp-p.
NO
Check Q407.
60Hz
10Vp-p
110Vp-p
HVD2


HVD2
Check EHT Drive signal to base of Q808.
12Vp-p
33.75KHz
NO
Check emitter of Q401.
YES
The voltage waveform of Q810's drain is the following.
815Vp-p
NO
Check Q810.
YES
END


Vertical Deflection
Vertical SAW waveform is to pin 8 of I402.
NO
Check I402.
2.2Vp-p
60Hz
YES
The following waveform is to pin 1 of I412.
NO
Check vertical deflection circuits around I412.
3.5Vp-p
0V
YES
Vertical deflection waveform is to pin 5 of I412.
NO
Check vertical deflection circuits around I412.
50Vp-p
60Hz
END

No Power
(Standby Power : U801)

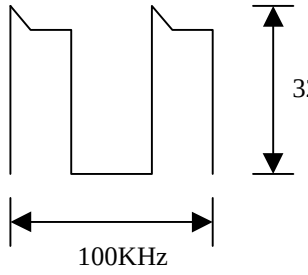
The Standby LED doesn't light up red.

YES

Approximately 150VDC is to C806. — NO → Check if F801 is open. Check D801 (bridge rectifier).

YES

The following waveform is to drain of U801. — NO → Check the impedance value of between Source and Drain to U801. If the value is near zero Ω. U801 is dead. Replace U801.



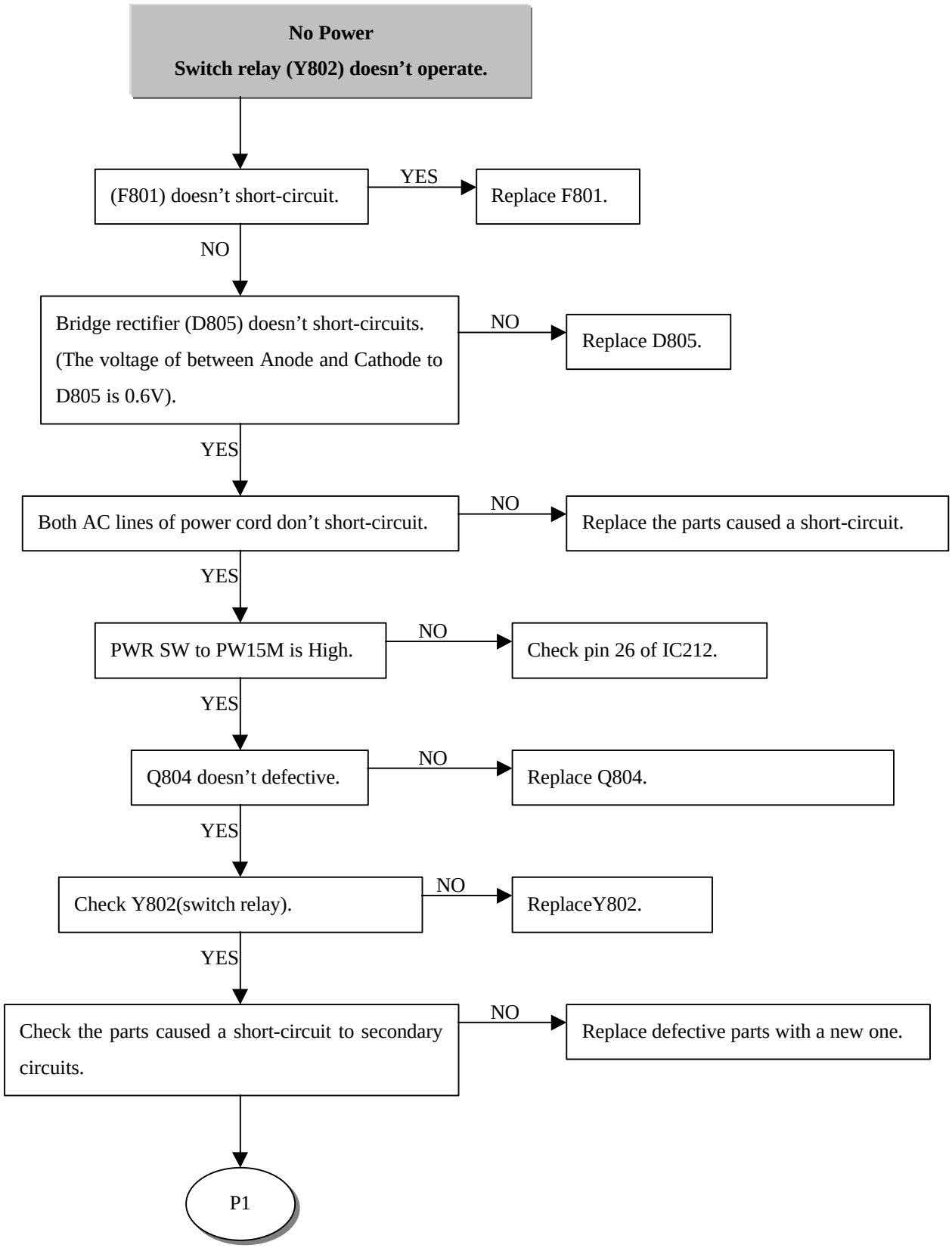
YES

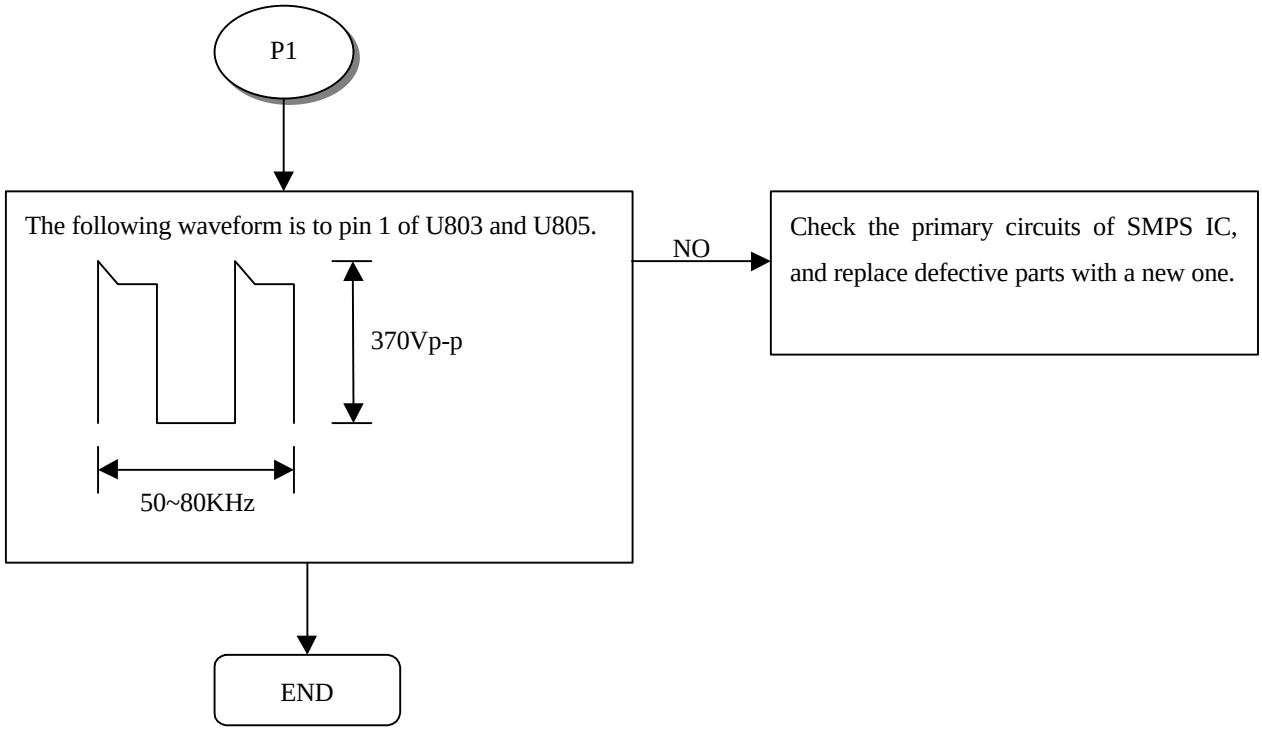
Check if voltages to PA17D is supplied to DTV Decoder module and TV micro-processor. (3.3A, 3.3B, 5V, 32V, 12V, and –12V) — NO → Check the parts caused a short-circuit to secondary circuits.

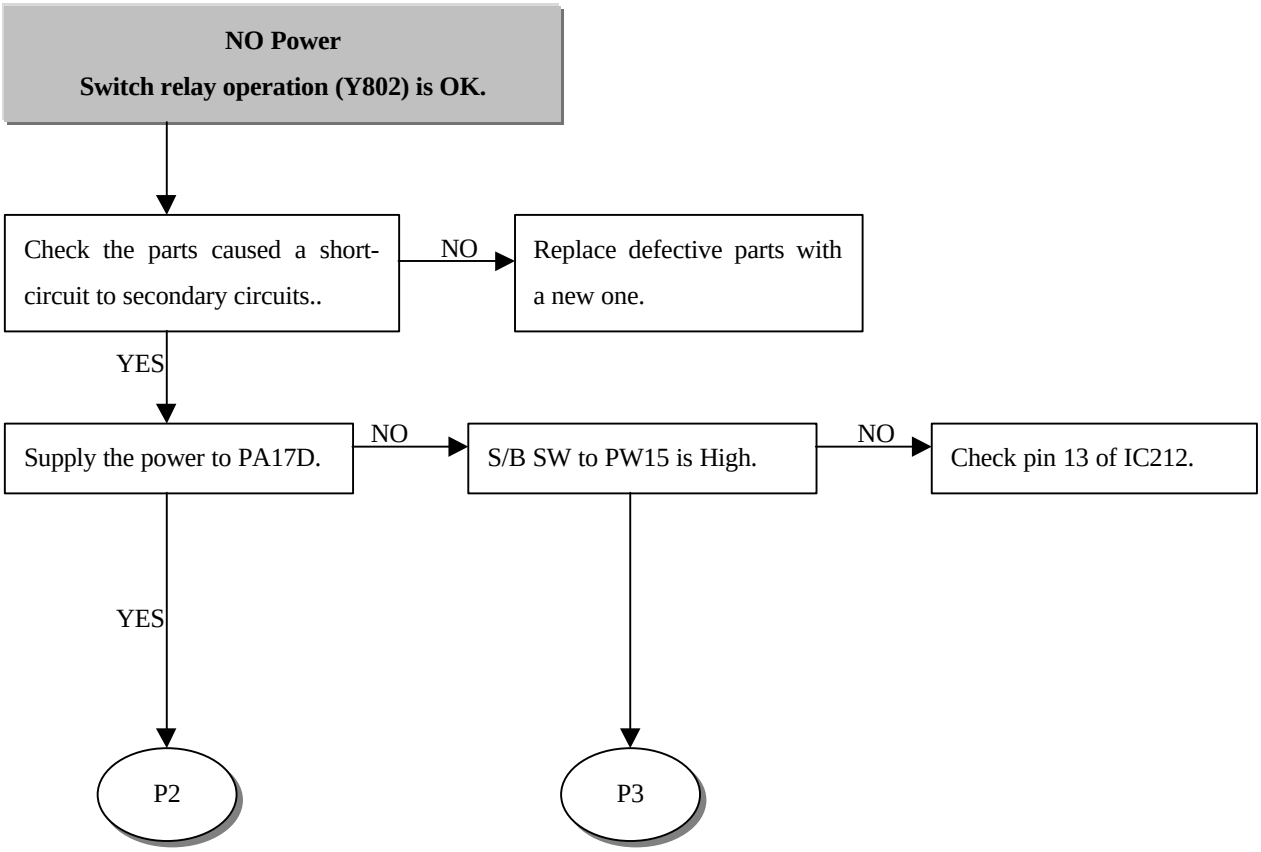
YES

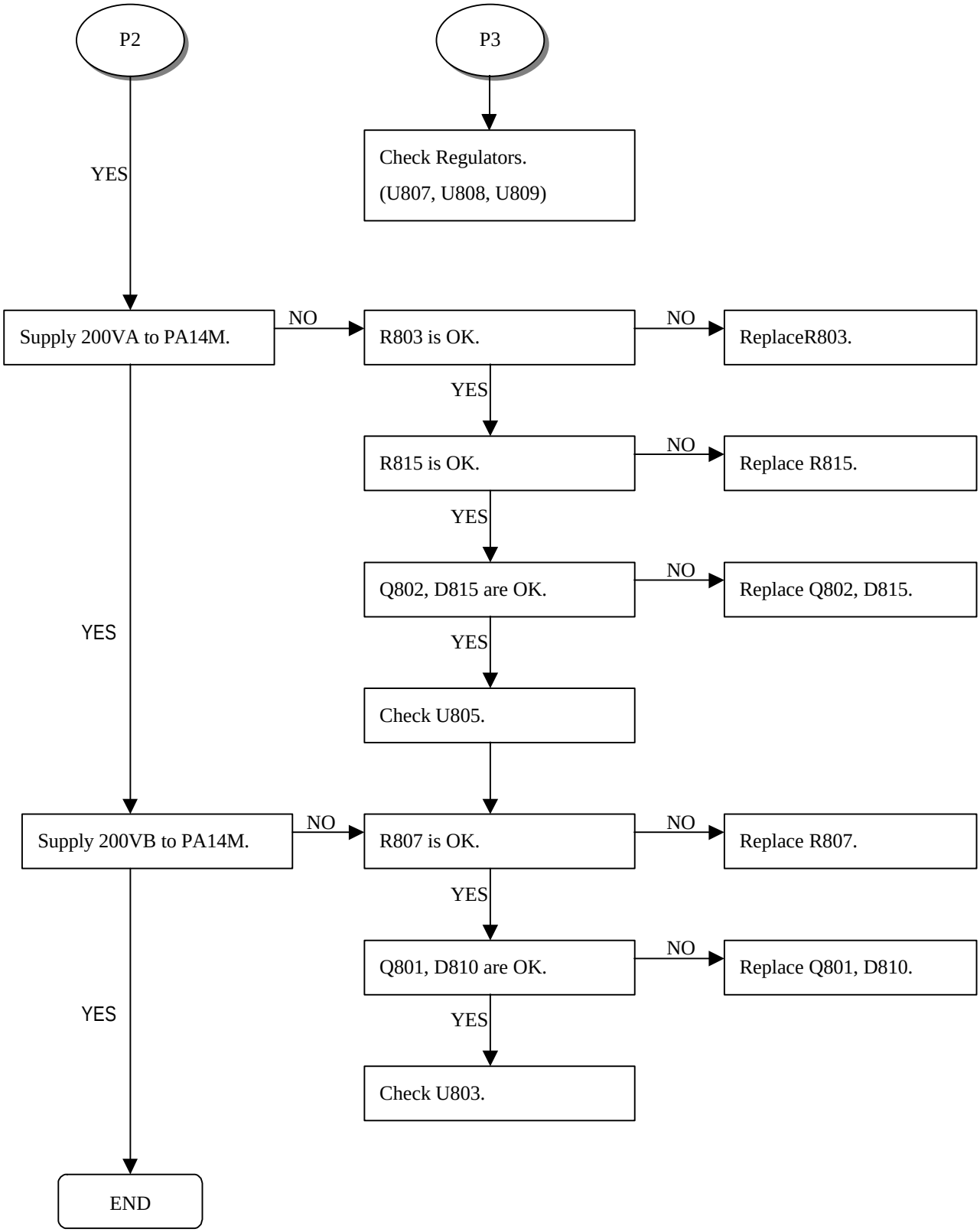
When pressing Power button, the color of Power LED is green

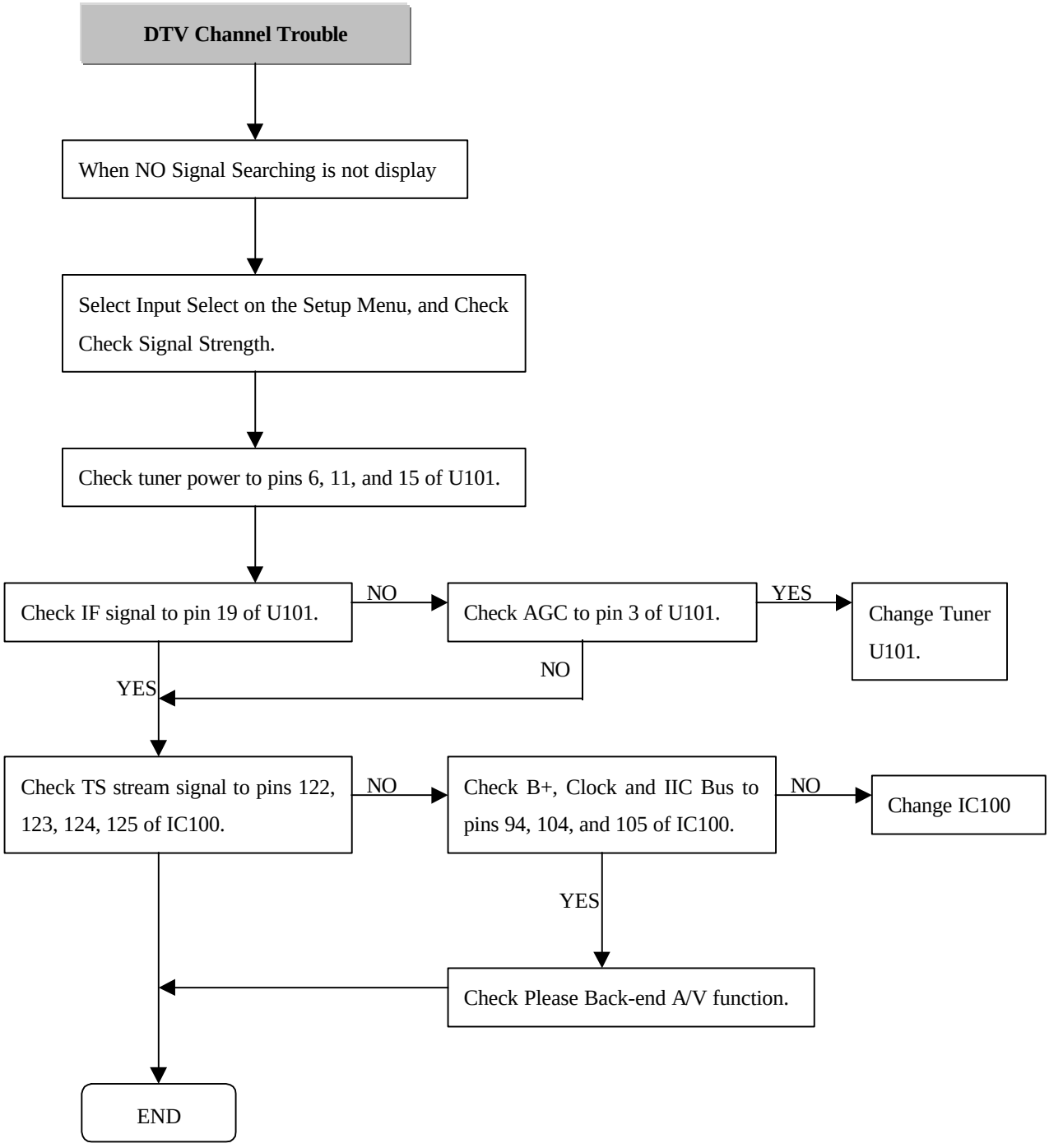
END

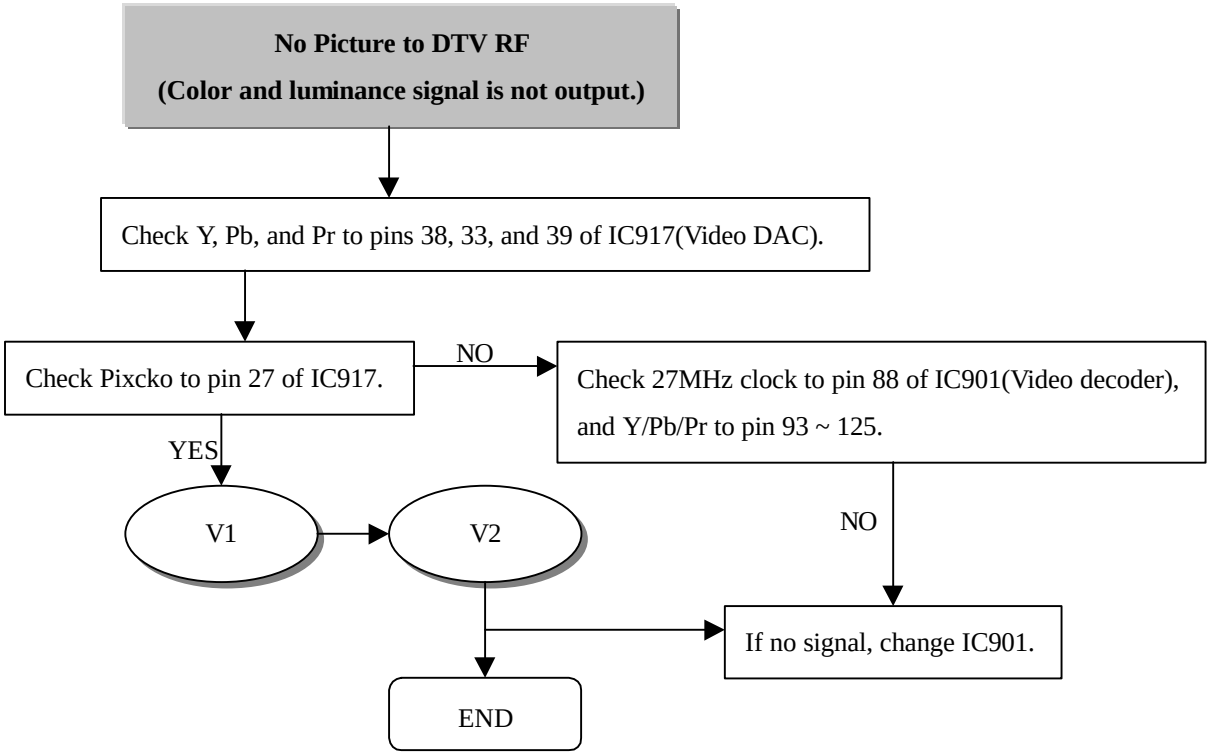

No Power
Switch relay (Y802) doesn't operate.
(F801) doesn't short-circuit.
YES
Replace F801.
NO
Bridge rectifier (D805) doesn't short-circuits. (The voltage of between Anode and Cathode to D805 is 0.6V).
NO
Replace D805.
YES
Both AC lines of power cord don't short-circuit.
NO
Replace the parts caused a short-circuit.
YES
PWR SW to PW15M is High.
NO
Check pin 26 of IC212.
YES
Q804 doesn't defective.
NO
Replace Q804.
YES
Check Y802(switch relay).
NO
ReplaceY802.
YES
Check the parts caused a short-circuit to secondary circuits.
NO
Replace defective parts with a new one.
P1

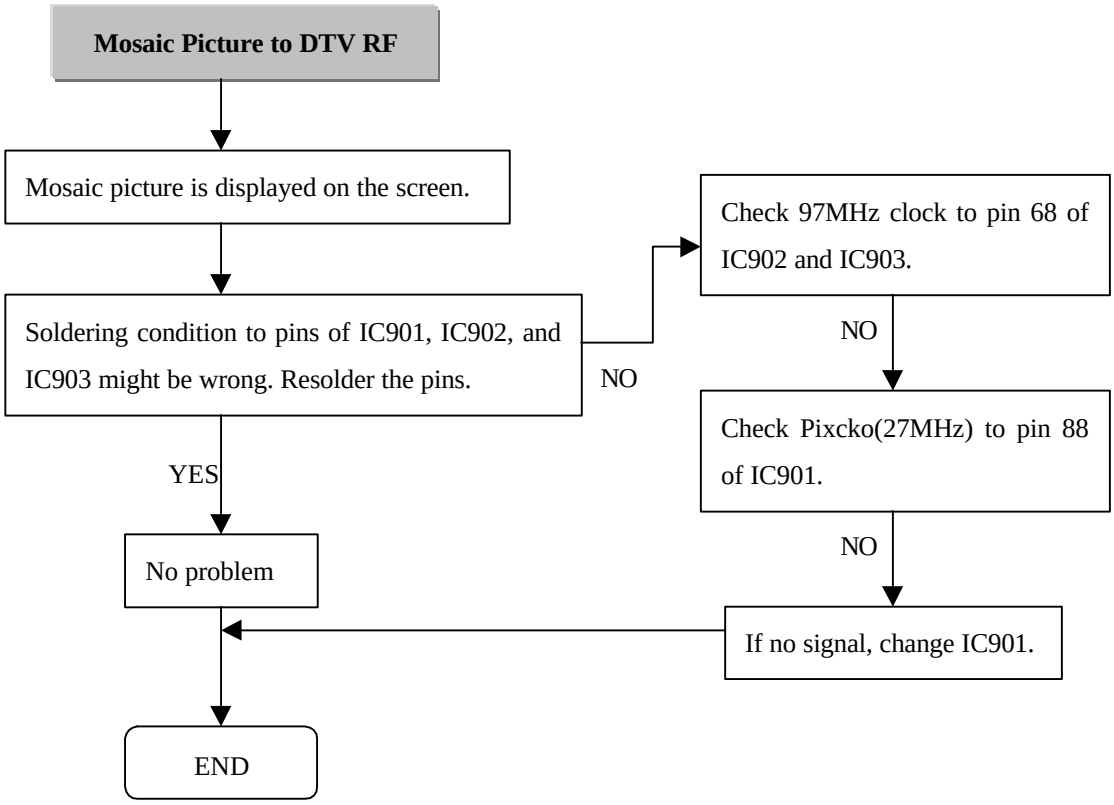

P1
The following waveform is to pin 1 of U803 and U805.
370Vp-p
50~80KHz
NO
Check the primary circuits of SMPS IC, and replace defective parts with a new one.
END

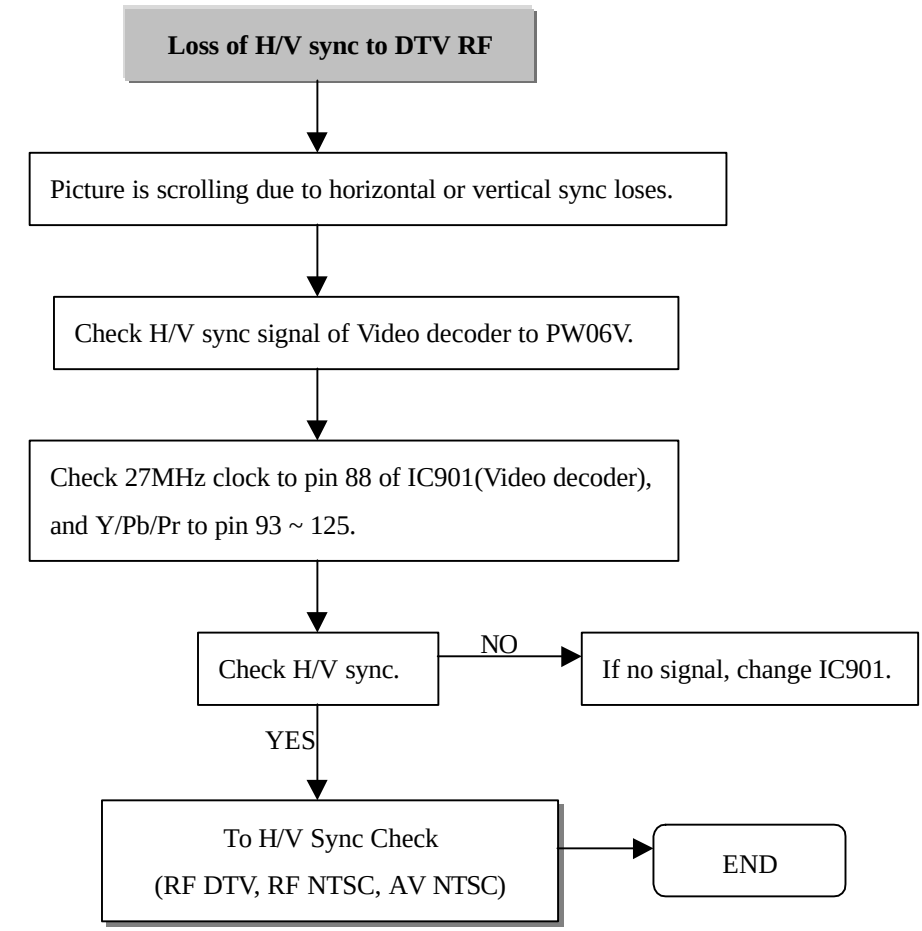

NO Power
Switch relay operation (Y802) is OK.
Check the parts caused a short-circuit to secondary circuits..
NO
Replace defective parts with a new one.
YES
Supply the power to PA17D.
NO
S/B SW to PW15 is High.
NO
Check pin 13 of IC212.
YES
P2
P3

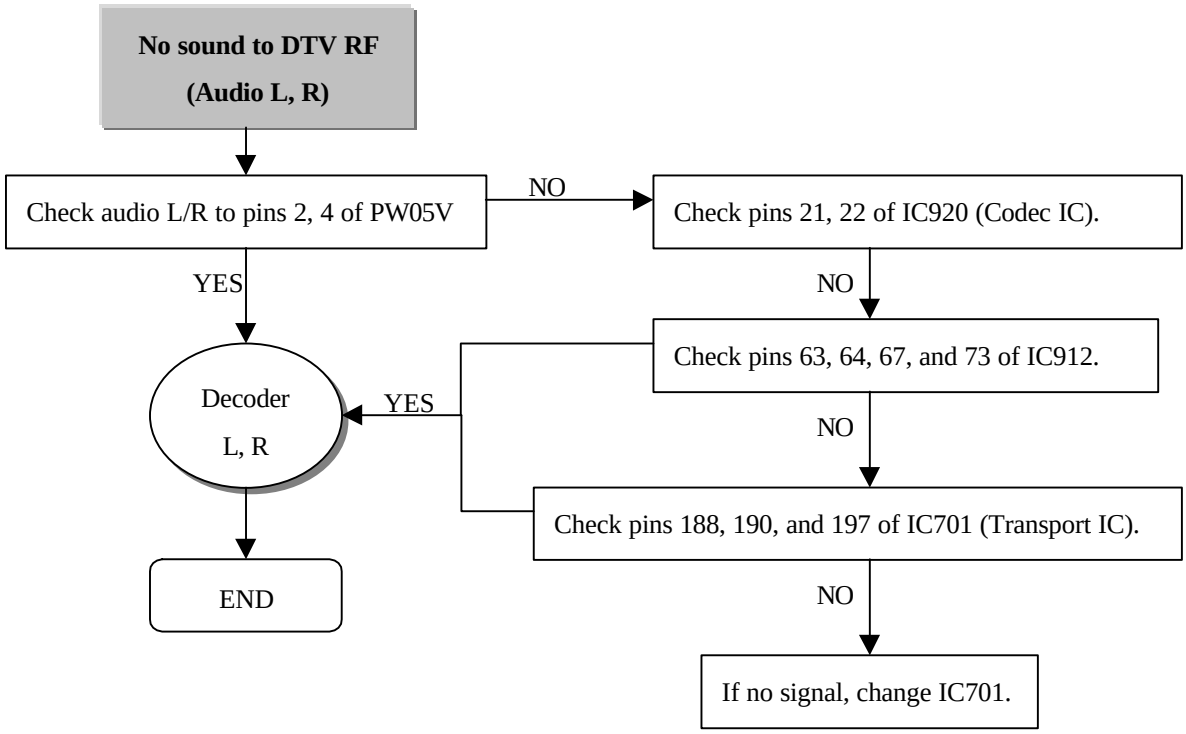

P2
P3
YES
Check Regulators.
(U807, U808, U809)
Supply 200VA to PA14M.
NO
R803 is OK.
NO
ReplaceR803.
YES
R815 is OK.
NO
Replace R815.
YES
Q802, D815 are OK.
NO
Replace Q802, D815.
YES
YES
Check U805.
Supply 200VB to PA14M.
NO
R807 is OK.
NO
Replace R807.
YES
Q801, D810 are OK.
NO
Replace Q801, D810.
YES
YES
Check U803.
END

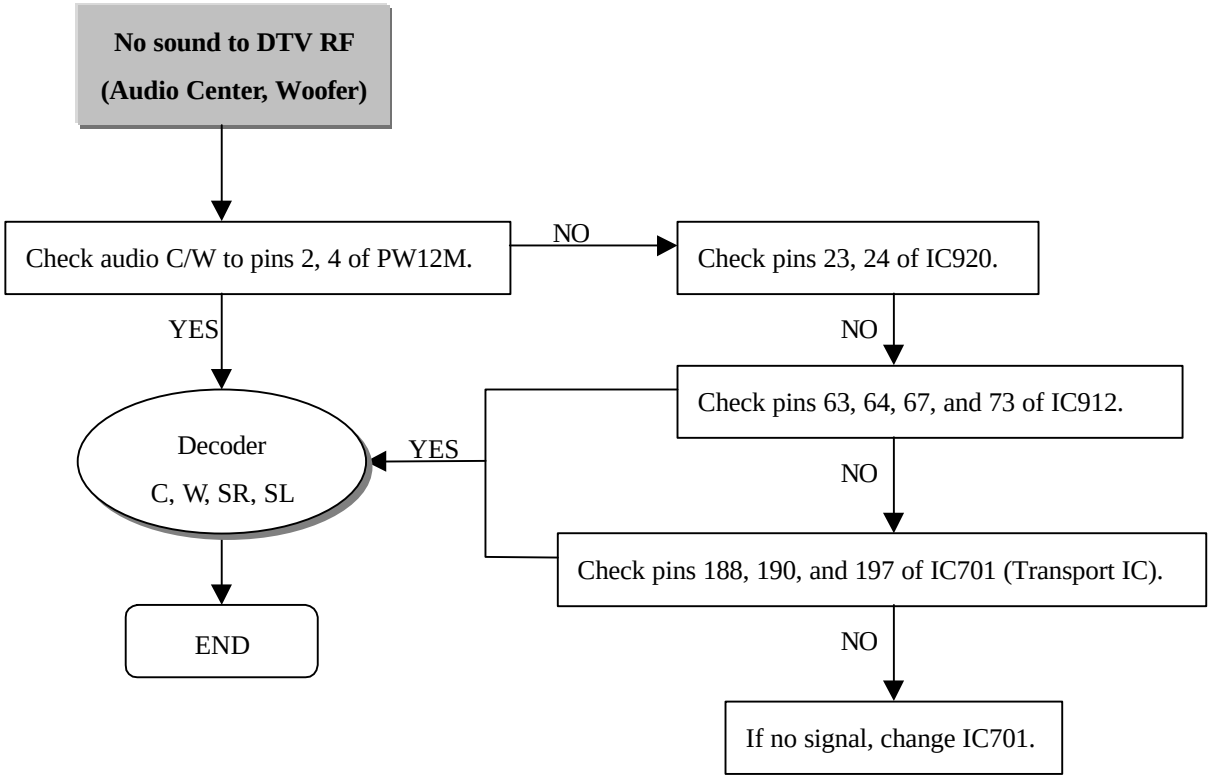

DTV Channel Trouble
When NO Signal Searching is not display
Select Input Select on the Setup Menu, and Check Check Signal Strength.
Check tuner power to pins 6, 11, and 15 of U101.
Check IF signal to pin 19 of U101.
NO
Check AGC to pin 3 of U101.
YES
Change Tuner U101.
NO
YES
Check TS stream signal to pins 122, 123, 124, 125 of IC100.
NO
Check B+, Clock and IIC Bus to pins 94, 104, and 105 of IC100.
NO
Change IC100
YES
Check Please Back-end A/V function.
END

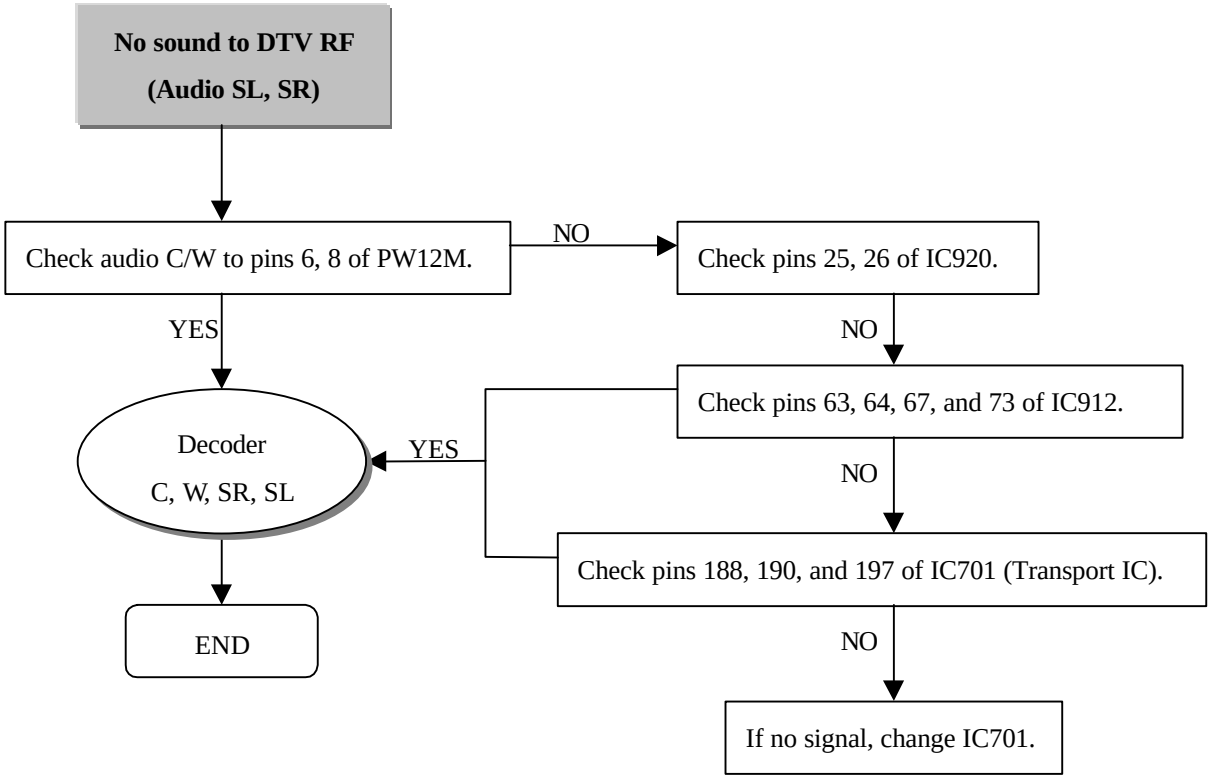

No Picture to DTV RF
(Color and luminance signal is not output.)
Check Y, Pb, and Pr to pins 38, 33, and 39 of IC917(Video DAC).
Check Pixcko to pin 27 of IC917.
NO
Check 27MHz clock to pin 88 of IC901(Video decoder), and Y/Pb/Pr to pin 93 ~ 125.
YES
V1
V2
NO
If no signal, change IC901.
END


Mosaic Picture to DTV RF
Mosaic picture is displayed on the screen.
Soldering condition to pins of IC901, IC902, and IC903 might be wrong. Resolder the pins.
NO
Check 97MHz clock to pin 68 of IC902 and IC903.
NO
Check Pixcko(27MHz) to pin 88 of IC901.
NO
If no signal, change IC901.
YES
No problem
END


Loss of H/V sync to DTV RF
Picture is scrolling due to horizontal or vertical sync loses.
Check H/V sync signal of Video decoder to PW06V.
Check 27MHz clock to pin 88 of IC901(Video decoder), and Y/Pb/Pr to pin 93 ~ 125.
Check H/V sync.
NO
If no signal, change IC901.
YES
To H/V Sync Check (RF DTV, RF NTSC, AV NTSC)
END


No sound to DTV RF (Audio L, R)
Check audio L/R to pins 2, 4 of PW05V
NO
Check pins 21, 22 of IC920 (Codec IC).
YES
NO
Check pins 63, 64, 67, and 73 of IC912.
Decoder L, R
YES
NO
Check pins 188, 190, and 197 of IC701 (Transport IC).
END
NO
If no signal, change IC701.


No sound to DTV RF
(Audio Center, Woofer)
Check audio C/W to pins 2, 4 of PW12M.
NO
Check pins 23, 24 of IC920.
YES
NO
Check pins 63, 64, 67, and 73 of IC912.
Decoder
C, W, SR, SL
YES
NO
Check pins 188, 190, and 197 of IC701 (Transport IC).
END
NO
If no signal, change IC701.


No sound to DTV RF
(Audio SL, SR)
Check audio C/W to pins 6, 8 of PW12M.
NO
Check pins 25, 26 of IC920.
YES
NO
Check pins 63, 64, 67, and 73 of IC912.
Decoder
C, W, SR, SL
YES
NO
Check pins 188, 190, and 197 of IC701 (Transport IC).
END
NO
If no signal, change IC701.

✔ **Caution**: In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(http://svc.dwe.co.kr)

9. Part List (DSC-30W60N)

CAUTION

"⚠": The shaded areas in the schematic diagram and the parts list have especial characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the part list. Before replacing any of those components, read carefully the PRODUCT SAFETY NOTICE on this manual. Do not degrade the safety of reciever through improper servicing.

"Ⓡ": Part recommended for stock.

WARNING : BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION","SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE"ON THIS MANUAL.

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
ZZ110	PEACPWD002	ACCESSORY AS	DSC-3260N	
30	49586110W1	MANUAL INSTRUCTION	DSC-3260N	
40	4958900001	MANUAL QUICK GUIDE	DSC-3260N	
ZZ120	PEBCSHD002	COVER BACK AS	DSC-3260N	
M211	4952100100	COVER BACK	FR HIPS PAINT	
M540	4855420200	SPEC PLATE	PE FILM	
M591	4951900100	DECO SPKR AS	FR HIPS PAINT	
M781	4857817630	CLOTH BLACK	FELT 400X20X0.7	
M782	4857817611	CLOTH BLACK	FELT 200X20X0.7	
ZZ130	PEPKCPD002	PACKING AS	DSC-3260N	
M641	6520010100	STAPLE PIN	18M/M J D O 1	
M681	4851712701	BAND AS	3.3M	
M801	4958000100	BOX CARTON	DW-3	
M811	4958100100	PAD	EPS	
M821	4858218700	BAG P.E	FOAM+LDPE T0.5X1880X1380	
ZZ131	48519A4410	CRT GROUND NET	3301H-1015-2P	
ZZ132	58G0000114	COIL DEGAUSSING	DC-3200	
ZZ140	PECACAD002	CABINET AS	DSC-3260N	
V901	49A96332C1	W76	19F 350X94	
M201A	4856015820	SCREW CRT FIX	SWRM+SK5 L=35	
M201B	4856215401	WASHER RUBBER	CR T1.0	
M201C	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK	
M201D	4857817610	CLOTH BLACK	FELT 300X20X0.7	
M201E	4857817610	CLOTH BLACK	FELT 300X20X0.7	
M211A	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
M211B	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
M211C	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
M211D	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
M211E	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
M230	4952300200	PANEL AV	FRHIPS BK	
M353	97P4602700	CLAMP CORD	POLYETHYLENE BLK	
M353A	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
M561	4955600100	MARK BRAND	AL T1.0 DIA-CUTTING	
M682	4856816300	CLAMP WIRE	NYLON 6 (V0)	
SP01A	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
SP02A	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
ZZ200	PEFMSJD002	MASK FRONT AS	DSC-3260N	
M201	4952000100	MASK FRONT	FR HIPS PAINT	
M251	4952500100	GRILL SPKR R	PS SHEET T0.4	
M252	4952500200	GRILL SPKR L	PS SHEET T0.4	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
S601	4958300310	SPEAKER AS L	10W 8 OHM K128/101999B	
S601A	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
S602	4958300110	SPEAKER UNIT	5W 8OHM H114/101999B	
S602A	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK	
S603	4958300210	SPEAKER AS R	10W 8 OHM K128/101999B	
S603A	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
S604	4958300410	SPEAKER TWEETER	5W 8 OHM K128/101999B	
S604A	7122401412	SCREW TAPPING	T2S TRS 4X14 MFZN BK	
S605	4958300410	SPEAKER TWEETER	5W 8 OHM K128/101999B	
S605A	7122401412	SCREW TAPPING	T2S TRS 4X14 MFZN BK	
ZZ290	PEMPMSD002	PCB MAIN MANUAL AS	DSC-3260N	
C410	CEXF2E101V	C ELECTRO	250V RSS 100MF 16X31.5	
C419	CMXL2E105J	C MYLAR	250V MEU 1MF J	
C424	CMXL2E105J	C MYLAR	250V MEU 1MF J	
C433	CMXL2E105J	C MYLAR	250V MEU 1MF J	
C445	CEYF1H222C	C ELECTRO	RUS 50V 2200MF 18*35.5	
C468	CMXM2A334J	C MYLAR	100V 0.33MF J BULK	
C476	CMYH3D332J	C MYLAR	2KV BUP 3300PF J	Ⓡ⚠
C477	CMYH3D332J	C MYLAR	2KV BUP 3300PF J	Ⓡ⚠
C479	CMYE2G364J	C MYLAR	400V PU 0.36MF J	Ⓡ
D408	DRU3AM---	DIODE	RU3AM(HIGH SPEED)	
D417	DFMLG12S--	DIODE	FML-G12S	
D420	DRU3AM---	DIODE	RU3AM(HIGH SPEED)	
D423	DFMRG5H--	DIODE DAMPER	FMRG5H	
D423A	4857027904	HEAT SINK	AL EX (ANODIZE)	
D423B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
D424	DRF1-----	DIODE	RF-1	
D425	DRF1-----	DIODE	RF-1	
D436	1NJM431L--	IC REGULATOR	NJM431L	
I401	1NE555---	IC TIMER	PD NE555	
I402	1UPC1884BC	IC H/V OSC	UPC1884BCT	Ⓡ
I403	1KF353---	IC OPAMP	KF353	
I404	1KF353---	IC OPAMP	KF353	
I405	1LM358---	IC	KA358	
I407	1NE555---	IC TIMER	PD NE555	
I408	1MC7812--	IC REGULATOR	MC7812 12V 1A (KA7812)	⚠
I409	1MC7812--	IC REGULATOR	MC7812 12V 1A (KA7812)	⚠
I409A	4857031201	HEAT SINK	AL 6063S	
I409B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I410	1KA7809--	IC REGULATOR	KA7809	⚠
I410A	4857027802	HEAT SINK	AL EX	
I410B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I411	1KF353---	IC OPAMP	KF353	

Part List (DSC-30W60N)

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
I412	1TDA8172--	IC V-OUT	TDA8172	⚠
I412A	4857028207	HEAT SINK	AL EX BK	
I412B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I413	1KA7809--	IC REGULATOR	KA7809	
I414	1KA7805--	IC REGULATOR	KA7805	⚠
I601	1CXA1315P-	IC CONVERTER	CXA1315	⚠
I602	1LA7220--	IC SWITCH	LA7220	Ⓡ
I603	1LA7220--	IC SWITCH	LA7220	
I605	1UPC1406HA	IC	UPC 1406HA	
I606	1UPC1406HA	IC	UPC 1406HA	
I607	1TA8256H--	IC AMP	TA8256H	Ⓡ⚠
I607A	4857027534	HEAT SINK	AL EXBK	
I607B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I608	1TA8256H--	IC AMP	TA8256H	Ⓡ⚠
I608A	4857027534	HEAT SINK	AL EXBK	
I608B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I609	1TDA7317--	IC AUDIO	TDA7317	Ⓡ
JP02	4959100250	JACK PIN BOARD	DPAM-9913	
JP03	4959100550	JACK PIN BOARD	DPAE-9867	
L401	58CD000002	COIL CHOKE TRANS	DTL-04M	
L403	58HD000001	COIL H-LINEARITY	DCL-20U	
L406	58CD000001	COIL CHOKE	DCC-01M	
M351	4953500100	HOLDER CORD	FR HIPS BK	
M351A	7122401412	SCREW TAPPING	T2S TRS 4X14 MFZN BK	
M381	4853812800	FRAME MAIN PCB	FR HIPS BK	
M381A	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK	
M381B	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK	
M721A	7122401412	SCREW TAPPING	T2S TRS 4X14 MFZN BK	
PA09S	4950711002	CONNECTOR	SMH250-11+YT250+USW=600	
PA12D	4950708003	CONNECTOR	SMH250-08+YT250+USW=300	
PA13D	4950706006	CONNECTOR	SMH250-06+YT250+USW=300	
PA15P	4950713002	CONNECTOR	SMH250-13+YT250+ULW=550	
PW01V	4859280820	CONN WAFER	TAC-L13X-A1	
PW02V	4859280820	CONN WAFER	TAC-L13X-A1	
PW03V	4859280820	CONN WAFER	TAC-L13X-A1	
PW04V	4859280820	CONN WAFER	TAC-L13X-A1	
PW14P	4859235620	CONN WAFER	YW025-13	
PW16P	4859235820	CONN WAFER	YW025-15	
P405	4959203120	CONN WAFER	TBL-P05P-C1	⚠
Q407	T1RFS634--	FET	IRFS634	Ⓡ⚠
Q407A	4957000700	HEAT SINK	AL EX	
Q407B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
Q418	T1RFS830--	FET	IRFS830	
Q423	T1RFS830--	FET	IRFS830	
Q423A	4857027700	HEAT SINK	AL EX BK	
Q423B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
Q425	T2SC5422--	TR	2SC5422	Ⓡ⚠

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
Q425A	4857027534	HEAT SINK	AL EXBK	
Q425B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
Q425C	4857619500	INSU PLATE	SILICON RUBBER T0.3	
R476	RW02Z478J-	R WIRE WOUND	2W 0.47 J	
R481	RX05V229J-	R CEMENT	5W 2.2 OHM J VERTICAL	
R506	RW02Z828J-	R WIRE WOUND	2W 0.82 OHM	
SW401	5S40403035	SW LEVER	JRS-1301	
T401	5DU0000024	TRANS PULSE	DTP-01A	
T402	58CD000002	COIL CHOKE TRANS	DTL-04M	
T403	5DD0000021	TRANS DRIVE	DTD-01A	
T404	5DU0000024	TRANS PULSE	DTP-01A	
T405	5DY0000023	TRANS DUMMY	DTL-02M	
U101	4959700350	TUNER	TAUG-H005P	
X401	4850L02310	RESONATOR CERA	CSB503F30	
ZZ200	PEMPJ2D002	PCB CHIP MOUNT B AS	DSC-3260N	
CC401	HCQK820JCA	C CHIP CERA	50V CH 82PF J 2012	
CC402	HCQK681JCA	C CHIP CERA	50V CH 680PF J 2012	
CC403	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012	
CC404	HCTAH109MB	C CHIP TANTAL	25V 1MF M 3216	
CC405	HCQK221JCA	C CHIP CERA	50V CH 220PF J 2012	
CC406	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC407	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC408	HCBK682KCA	C CHIP CERA	50V X7R 6800PF K 2012	
CC409	HCQK391JCA	C CHIP CERA	50V CH 390PF J 2012	
CC410	HCQK390JCA	C CHIP CERA	50V CH 39PF J 2012	
CC411	HCQK221JCA	C CHIP CERA	50V CH 220PF J 2012	
CC412	HCQK821JCA	C CHIP CERA	50V CH 820PF J 2012	
CC413	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC414	HCQK391JCA	C CHIP CERA	50V CH 390PF J 2012	
CC415	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012	
CC416	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012	
CC419	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC420	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC421	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC422	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC423	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC424	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC425	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC426	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC427	HCTBF100MB	C CHIP TANTAL	16V 10MF M 3528 TS	
CC428	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC606	HCTAJ478MB	C CHIP TANTAL	35V 0.47MF M 3216 TS	
CC607	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC608	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC609	HCTAH109MB	C CHIP TANTAL	25V 1MF M 3216	
CC610	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC611	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
CC612	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC613	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC614	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC615	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC617	HCTAH109MB	C CHIP TANTAL	25V 1MF M 3216	
CC618	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC619	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC620	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC621	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC622	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC623	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC624	HCTAH109MB	C CHIP TANTAL	25V 1MF M 3216	
CC625	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC626	HCBH103KCA	C CHIP CERA	25V X7R 0.01MF K 2012	
CC630	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC631	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC633	HCBH103KCA	C CHIP CERA	25V X7R 0.01MF K 2012	
CC635	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC636	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC637	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC638	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC639	HCTBH479MB	C CHIP TANTAL	25V 4.7MF M 3528	
CC643	HCBK473KCA	C CHIP CERA	50V X7R 0.047MF K 2012	
CC644	HCBH103KCA	C CHIP CERA	25V X7R 0.01MF K 2012	
CC645	HCBH103KCA	C CHIP CERA	25V X7R 0.01MF K 2012	
CC646	HCBH103KCA	C CHIP CERA	25V X7R 0.01MF K 2012	
CC647	HCBH103KCA	C CHIP CERA	25V X7R 0.01MF K 2012	
CC648	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC649	HCBH224KCA	C CHIP CERA	25V X7R 0.22MF K 2012	
CC650	HCBK563KCA	C CHIP CERA	50V X7R 0.056MF K 2012	
CC651	HCBK473KCA	C CHIP CERA	50V X7R 0.047MF K 2012	
CC652	HCBK332KCA	C CHIP CERA	50V X7R 3300PF K 2012	
CC653	HCBK272KCA	C CHIP CERA	50V X7R 2700PF K 2012	
CC654	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC655	HCBK122KCA	C CHIP CERA	50V X7R 1200PF K 2012	
CC656	HCTAH109MB	C CHIP TANTAL	25V 1MF M 3216	
CC657	HCTAH109MB	C CHIP TANTAL	25V 1MF M 3216	
CC658	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
CC659	HCBK122KCA	C CHIP CERA	50V X7R 1200PF K 2012	
CC660	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012	
CC661	HCBK272KCA	C CHIP CERA	50V X7R 2700PF K 2012	
CC662	HCBK332KCA	C CHIP CERA	50V X7R 3300PF K 2012	
CC663	HCBK563KCA	C CHIP CERA	50V X7R 0.056MF K 2012	
CC664	HCBH224KCA	C CHIP CERA	25V X7R 0.22MF K 2012	
CC665	HCBH104KCA	C CHIP CERA	25V X7R 0.1MF K 2012	
RC401	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC402	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
RC403	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC404	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC405	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	
RC406	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012	
RC407	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC408	HRFT513JCA	R CHIP	1/10 51K OHM J 2012	
RC409	HRFT684JCA	R CHIP	1/10 680K OHM J 2012	
RC410	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC411	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RC413	HRFT153JCA	R CHIP	1/10 15K OHM J 2012	
RC415	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	
RC416	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RC417	HRFT364JCA	R CHIP	1/10 360K OHM J 2012	
RC418	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC419	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC420	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC421	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC422	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012	
RC423	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012	
RC424	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012	
RC425	HRFT183JCA	R CHIP	1/10 18K OHM J 2012	
RC426	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC427	HRFT393JCA	R CHIP	1/10 39K OHM J 2012	
RC434	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC436	HRFT512JCA	R CHIP	1/10 5.1K OHM J 2012	
RC438	HRFT513JCA	R CHIP	1/10 51K OHM J 2012	
RC439	HRFT332JCA	R CHIP	1/10 3.3K OHM J 2012	
RC440	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012	
RC441	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC442	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	
RC443	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC444	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC445	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC447	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC448	HRFT912JCA	R CHIP	1/10 9.1K OHM J 2012	
RC449	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC450	HRFT273JCA	R CHIP	1/10 27K OHM J 2012	
RC451	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC452	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC453	HRFT822JCA	R CHIP	1/10 8.2K OHM J 2012	
RC454	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC456	HRFT183JCA	R CHIP	1/10 18K OHM J 2012	
RC457	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC459	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC462	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC463	HRFT681JCA	R CHIP	1/10 680 OHM J 2012	
RC464	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	

Part List (DSC-30W60N)

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
RC465	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC467	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC468	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC469	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	
RC470	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC471	HRFT471JCA	R CHIP	1/10 470 OHM J 2012	
RC472	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012	
RC473	HRFT103JCA	R CHIP	1/10 10K OHM J 2012	
RC474	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012	
RC475	HRFT513JCA	R CHIP	1/10 51K OHM J 2012	
RC476	HRFT122JCA	R CHIP	1/10 1.2K OHM J 2012	
RC477	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC602	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC612	HRFT224JCA	R CHIP	1/10 220K OHM J 2012	
RC613	HRFT224JCA	R CHIP	1/10 220K OHM J 2012	
RC614	HRFT224JCA	R CHIP	1/10 220K OHM J 2012	
RC615	HRFT224JCA	R CHIP	1/10 220K OHM J 2012	
RC616	HRFT224JCA	R CHIP	1/10 220K OHM J 2012	
RC617	HRFT224JCA	R CHIP	1/10 220K OHM J 2012	
RC618	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC619	HRFT302JCA	R CHIP	1/10 3K OHM J 2012	
RC620	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC621	HRFT471JCA	R CHIP	1/10 470 OHM J 2012	
RC623	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC624	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC626	HRFT162JCA	R CHIP	1/10 1.6K OHM J 2012	
RC627	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012	
RC631	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC633	HRFT101JCA	R CHIP	1/10 100 OHM J 2012	
RC634	HRFT622JCA	R CHIP	1/10 6.2K OHM J 2012	
RC635	HRFT512JCA	R CHIP	1/10 5.1K OHM J 2012	
RC636	HRFT622JCA	R CHIP	1/10 6.2K OHM J 2012	
RC637	HRFT622JCA	R CHIP	1/10 6.2K OHM J 2012	
RC638	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012	
RC639	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012	
RC640	HRFT682JCA	R CHIP	1/10 6.8K OHM J 2012	
RC641	HRFT333JCA	R CHIP	1/10 33K OHM J 2012	
RC642	HRFT393JCA	R CHIP	1/10 39K OHM J 2012	
RC643	HRFT303JCA	R CHIP	1/10 30K OHM J 2012	
RC644	HRFT333JCA	R CHIP	1/10 33K OHM J 2012	
RC646	HRFT622JCA	R CHIP	1/10 6.2K OHM J 2012	
RC647	HRFT512JCA	R CHIP	1/10 5.1K OHM J 2012	
RC648	HRFT622JCA	R CHIP	1/10 6.2K OHM J 2012	
RC649	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RC650	HRFT223JCA	R CHIP	1/10 22K OHM J 2012	
RC651	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012	
RC654	HRFT102JCA	R CHIP	1/10 1K OHM J 2012	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
RC655	HRFT333JCA	R CHIP	1/10 33K OHM J 2012	
RC656	HRFT393JCA	R CHIP	1/10 39K OHM J 2012	
RC657	HRFT393JCA	R CHIP	1/10 39K OHM J 2012	
RC658	HRFT303JCA	R CHIP	1/10 30K OHM J 2012	
RC659	HRFT333JCA	R CHIP	1/10 33K OHM J 2012	
RC660	HRFT622JCA	R CHIP	1/10 6.2K OHM J 2012	
RJ01	HRFT000-CA	R CHIP	1/10 0 OHM 2012	
RJ03	HRFT000-CA	R CHIP	1/10 0 OHM 2012	
ZZ200	PEMPJ0D002	PCB MAIN (RHU) AS	DSC-3260N	
C418	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C420	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C422	CEXF1C471C	C ELECTRO	16V RUS 470MF (10X12.5)TP	
C440	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C442	CEXF1V102C	C ELECTRO	35V RUS 1000MF (13X25) TP	
C448	CEXF1H221C	C ELECTRO	50V RUS 220MF (10X16) TP	
C450	CEXF1H221C	C ELECTRO	50V RUS 220MF (10X16) TP	
C463	CCYB3D272K	C CERA	2KV B 2700PF K	
C465	CEXF2E330V	C ELECTRO	250V RSS 33MF (13X25) TP	
C466	CEXF2E220C	C ELECTRO	250V RUS 22MF (13X20) TP	
C474	CCXB3D151K	C CERA	2KV B 150PF K (TAPPING)	
C475	CCYB3D272K	C CERA	2KV B 2700PF K	
C488	CCYB3D272K	C CERA	2KV B 2700PF K	
C489	CEXF1C471C	C ELECTRO	16V RUS 470MF (10X12.5)TP	
C601	CEXF1V102C	C ELECTRO	35V RUS 1000MF (13X25) TP	
C602	CEXF1V102C	C ELECTRO	35V RUS 1000MF (13X25) TP	
C603	CEXF1V102C	C ELECTRO	35V RUS 1000MF (13X25) TP	
C621	CEXF1V102C	C ELECTRO	35V RUS 1000MF (13X25) TP	
C624	CEXF1V102C	C ELECTRO	35V RUS 1000MF (13X25) TP	
C626	CEXF1V102C	C ELECTRO	35V RUS 1000MF (13X25) TP	
C650	CEXF1C331C	C ELECTRO	RUS 16V 330MF (8.0*11.5)	
R654	CEXF1C471C	C ELECTRO	16V RUS 470MF (10X12.5)TP	
ZZ200	PEMPJBD002	PCB MAIN M-10 AS	DSC-3260N	
E01	4856310600	EYE LET	BSR T0.2 (R2.3)	
E04	4856310600	EYE LET	BSR T0.2 (R2.3)	
E06	4856310600	EYE LET	BSR T0.2 (R2.3)	
E07	4856310600	EYE LET	BSR T0.2 (R2.3)	
E10	4856310600	EYE LET	BSR T0.2 (R2.3)	
E12	4856310600	EYE LET	BSR T0.2 (R2.3)	
E13	4856310600	EYE LET	BSR T0.2 (R2.3)	
E17	4856310600	EYE LET	BSR T0.2 (R2.3)	
E19	4856310600	EYE LET	BSR T0.2 (R2.3)	
E20	4856310600	EYE LET	BSR T0.2 (R2.3)	
E21	4856310600	EYE LET	BSR T0.2 (R2.3)	
E22	4856310600	EYE LET	BSR T0.2 (R2.3)	
E23	4856310600	EYE LET	BSR T0.2 (R2.3)	
E25	4856310600	EYE LET	BSR T0.2 (R2.3)	
E26	4856310600	EYE LET	BSR T0.2 (R2.3)	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
E27	4856310300	EYE LET	BSR T0.2 (R1.6)	
E28	4856310300	EYE LET	BSR T0.2 (R1.6)	
E29	4856310300	EYE LET	BSR T0.2 (R1.6)	
E30	4856310300	EYE LET	BSR T0.2 (R1.6)	
E34	4856310600	EYE LET	BSR T0.2 (R2.3)	
E35	4856310300	EYE LET	BSR T0.2 (R1.6)	
E36	4856310300	EYE LET	BSR T0.2 (R1.6)	
E37	4856310300	EYE LET	BSR T0.2 (R1.6)	
E38	4856310300	EYE LET	BSR T0.2 (R1.6)	
E40	4856310300	EYE LET	BSR T0.2 (R1.6)	
E41	4856310300	EYE LET	BSR T0.2 (R1.6)	
E42	4856310300	EYE LET	BSR T0.2 (R1.6)	
E43	4856310300	EYE LET	BSR T0.2 (R1.6)	
E44	4856310600	EYE LET	BSR T0.2 (R2.3)	
E45	4856310600	EYE LET	BSR T0.2 (R2.3)	
E46	4856310600	EYE LET	BSR T0.2 (R2.3)	
E47	4856310300	EYE LET	BSR T0.2 (R1.6)	
E48	4856310300	EYE LET	BSR T0.2 (R1.6)	
E49	4856310300	EYE LET	BSR T0.2 (R1.6)	
E50	4856310300	EYE LET	BSR T0.2 (R1.6)	
E51	4856310300	EYE LET	BSR T0.2 (R1.6)	
E52	4856310300	EYE LET	BSR T0.2 (R1.6)	
E53	4856310300	EYE LET	BSR T0.2 (R1.6)	
E54	4856310300	EYE LET	BSR T0.2 (R1.6)	
E55	4856310300	EYE LET	BSR T0.2 (R1.6)	
E56	4856310300	EYE LET	BSR T0.2 (R1.6)	
PA18K	485923172S	CONN WAFER	YW025-04 (STICK)	
PM601	485923162S	CONN WAFER	YW025-03 (STICK)	
PM602	485923172S	CONN WAFER	YW025-04 (STICK)	
PM603	485923162S	CONN WAFER	YW025-03 (STICK)	
PW17K	485923192S	CONN WAFER	YW025-06 (STICK)	
PW604	485923162S	CONN WAFER	YW025-03 (STICK)	
R407	RS02Z229J-	R M-OXIDE FILM	2W 2.2 OHM J(TAPPING)	
R433	RS02Z109J-	R M-OXIDE FILM	2W 1 OHM J (TAPPING)	
R437	RS02Z109J-	R M-OXIDE FILM	2W 1 OHM J (TAPPING)	
R442	RS02Z271J-	R M-OXIDE FILM	2W 270 OHM J (TAPPING)	
R455	RS02Z121J-	R M-OXIDE FILM	2W 120 OHM J (TAPPING)	
R464	RS02Z104J-	R M-OXIDE FILM	2W 100K OHM J TAPPING	
R465	RS02Z271J-	R M-OXIDE FILM	2W 270 OHM J (TAPPING)	
R474	RS01Z471J-	R M-OXIDE FILM	1W 470 OHM J (TAPPING)	
R477	RS02Z271J-	R M-OXIDE FILM	2W 270 OHM J (TAPPING)	
R480	RS02Z229J-	R M-OXIDE FILM	2W 2.2 OHM J(TAPPING)	
R493	RS02Z271J-	R M-OXIDE FILM	2W 270 OHM J (TAPPING)	
R494	RS02Z390J-	R M-OXIDE FILM	2W 39 OHM J (TAPPING)	
R497	RS02Z180J-	R M-OXIDE FILM	2W 18 OHM J (TAPPING)	
R500	RS02Z129J-	R M-OXIDE FILM	2W 1.2 OHM J (TAPPING)	
ZZ200	PEMPJRD002	PCB MAIN RADIAL AS	DSC-3260N	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
C401	CCXB1H391K	C CERA	50V B 390PF K (TAPPING)	
C402	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C403	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C404	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
C405	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C406	CMXM2A223J	C MYLAR	100V 0.022MF J TP	
C407	CCXB1H182K	C CERA	50V B 1800PF K (TAPPING)	
C408	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C409	CMXL1H105J	C MYLAR	50V MEU 1MF J	
C411	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C412	CEXF1V101V	C ELECTRO	35V RSS 100MF (8X11.5) TP	
C413	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C414	CEXF1V101V	C ELECTRO	35V RSS 100MF (8X11.5) TP	
C415	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C417	CMXM2A102J	C MYLAR	100V 1000PF J (TP)	
C423	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C425	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
C426	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C427	CMXM2A683J	C MYLAR	100V 0.068MF J (TP)	
C428	CMXL1H105J	C MYLAR	50V MEU 1MF J	
C429	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C430	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
C431	CMXM2A823J	C MYLAR	100V 0.082MF J (TP)	
C432	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP	
C434	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
C436	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C437	CEXF1H330C	C ELECTRO	50V RUS 33MF (6.3X11) TP	
C439	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C441	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C443	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C449	CMXB1H224J	C MYLAR	50V EU 0.22MF J (TP)	
C451	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C453	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C456	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C459	CCXB2H182K	C CERA	500V B 1800PF K (TAPPING)	
C460	CEXF1H470C	C ELECTRO	50V RUS 47MF (6.3X11) TP	
C461	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C462	CMXM2A182J	C MYLAR	100V 1800PF J (TP)	
C464	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C469	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
C470	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	
C472	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
C478	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)	
C481	CEXF2A479V	C ELECTRO	100V RSS 4.7MF (5X11) TP	
C482	CEXF2A100C	C ELECTRO	RUS 100V 10MF 5*11	
C483	CMXB2A103J	C MYLAR	100V EU 0.01MF J (TP)	
C484	CEXF2A100C	C ELECTRO	RUS 100V 10MF 5*11	

Part List (DSC-30W60N)

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
C485	CMXB2A103J	C MYLAR	100V EU 0.01MF J (TP)	
C486	CEXF2A479V	C ELECTRO	100V RSS 4.7MF (5X11) TP	
C487	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)	
C490	CMXL2E104K	C MYLAR	250V MEU 0.1MF K	
C491	CMXL2E104K	C MYLAR	250V MEU 0.1MF K	
C492	CMXB2A103J	C MYLAR	100V EU 0.01MF J (TP)	
C604	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C605	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C606	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C620	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C622	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C623	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C625	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	
C635	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C637	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C638	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C639	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C640	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
C641	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C643	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C646	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C647	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
C649	CEXF1V101V	C ELECTRO	35V RSS 100MF (8X11.5) TP	
C650	CEXF1V101V	C ELECTRO	35V RSS 100MF (8X11.5) TP	
C653	CEXF1V101V	C ELECTRO	35V RSS 100MF (8X11.5) TP	
C686	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
C687	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
C688	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C692	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
L405	5CPX101J--	COIL PEAKING	PL 100UH J (TAPPING)	
L608	5CPX100J--	COIL PEAKING	PL 10UH J (TAPPING)	
L609	5CPX101J--	COIL PEAKING	PL 100UH J (TAPPING)	
L610	5CPX101J--	COIL PEAKING	PL 100UH J (TAPPING)	
Q401	TKTC3198Y-	TR	KTC3198Y	
Q402	TKTA1270Y-	TR	KTA1270Y (TP)	
Q403	TKTC3198Y-	TR	KTC3198Y	
Q404	TKTA1270Y-	TR	KTA1270Y (TP)	
Q405	TKTC3202Y-	TR	KTC3202Y (TP)	
Q406	TKTC3198Y-	TR	KTC3198Y	
Q411	TKTC3198Y-	TR	KTC3198Y	
Q413	TKTC3202Y-	TR	KTC3202Y (TP)	
Q414	TKTA1270Y-	TR	KTA1270Y (TP)	
Q415	TKTC3198Y-	TR	KTC3198Y	
Q416	TKTC3198Y-	TR	KTC3198Y	
Q417	TKTC3198Y-	TR	KTC3198Y	
Q419	TKTA1270Y-	TR	KTA1270Y (TP)	
Q420	TKTC3198Y-	TR	KTC3198Y	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
Q421	TKTC3202Y-	TR	KTC3202Y (TP)	
Q422	TKTA1270Y-	TR	KTA1270Y (TP)	
Q424	TKTC3198Y-	TR	KTC3198Y	
Q426	TKTC3198Y-	TR	KTC3198Y	
Q427	TKTA1544--	TR	KTA1544	®
Q428	TKTA1544--	TR	KTA1544	®
Q429	TKTC3198Y-	TR	KTC3198Y	
Q601	TKSR1004--	TR	KSR-1004 (TAPPING)	
Q602	TKTC3198Y-	TR	KTC3198Y	
Q604	TKSR1004--	TR	KSR-1004 (TAPPING)	
Q605	TKTC3198Y-	TR	KTC3198Y	
ZZ200	PEMPJAD002	PCB MAIN AXIAL AS	DSC-3260N	
A001	4959802224	PCB MAIN	330X246	
C452	CCZB1H681K	C CERA	50V B 680PF K	
C645	CCZF1H103Z	C CERA	50V F 0.01MF Z	
D401	D1N4148---	DIODE	1N4148 (TAPPING)	
D402	D1N4148---	DIODE	1N4148 (TAPPING)	
D403	D1N4148---	DIODE	1N4148 (TAPPING)	
D404	D1N4004---	DIODE	1N4004	
D405	D1N4148---	DIODE	1N4148 (TAPPING)	
D406	D1N4148---	DIODE	1N4148 (TAPPING)	
D407	D1N4148---	DIODE	1N4148 (TAPPING)	
D409	D1N4148---	DIODE	1N4148 (TAPPING)	
D410	DUZ5R1BM--	DIODE ZENER	UZ-5.1BM	
D411	DUZ5R1BM--	DIODE ZENER	UZ-5.1BM	
D412	D1N4004---	DIODE	1N4004	
D413	D1N4148---	DIODE	1N4148 (TAPPING)	
D414	D1N4148---	DIODE	1N4148 (TAPPING)	
D415	D1N4148---	DIODE	1N4148 (TAPPING)	
D416	D1N4148---	DIODE	1N4148 (TAPPING)	
D418	D1N4004---	DIODE	1N4004	
D419	D1N4148---	DIODE	1N4148 (TAPPING)	
D422	D1N4148---	DIODE	1N4148 (TAPPING)	
D426	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM 9.1V	®
D427	DUZ8R2BM--	DIODE ZENER	UZ-8.2B (8.2V)	
D428	D1N4148---	DIODE	1N4148 (TAPPING)	
D431	D1N4148---	DIODE	1N4148 (TAPPING)	
D432	DUZ6R8BM--	DIODE ZENER	UZ 6.8B 500MW SILICON	
D433	D1N4148---	DIODE	1N4148 (TAPPING)	
D434	DUZ12BM--	DIODE ZENER	UZ-12BM (UNIZON)	
D435	DUZ12BM--	DIODE ZENER	UZ-12BM (UNIZON)	
D437	DUZ12BM--	DIODE ZENER	UZ-12BM (UNIZON)	
D438	D1N4148---	DIODE	1N4148 (TAPPING)	
D439	DUZ30BH--	DIODE ZENER	UZ-30BH	®
D440	DUZ22BM--	DIODE ZENER	UZ-22BM	®
D441	DUZ10BM--	DIODE ZENER	UZ-10BM (TAPPING)	
D442	D1N4148---	DIODE	1N4148 (TAPPING)	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
D443	D1N4148---	DIODE	1N4148 (TAPPING)	
D601	D1N4148---	DIODE	1N4148 (TAPPING)	
D602	D1N4148---	DIODE	1N4148 (TAPPING)	
D603	DUZ10BM---	DIODE ZENER	UZ-10BM (TAPPING)	
D604	D1N4148---	DIODE	1N4148 (TAPPING)	
D605	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D606	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D607	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D608	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D609	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D610	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM(TAPPING)	
D611	DUZ33B---	DIODE ZENER	UZ-33B	
D613	D1N4148---	DIODE	1N4148 (TAPPING)	
D614	D1N4148---	DIODE	1N4148 (TAPPING)	
J001-J050	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J053-J171	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
L402	58C0000026	COIL BEAD	HC-4035	
L601	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
L607	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)	
R400	RD-2Z229J-	R CARBON FILM	1/2 2.2 OHM J	
R401	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R402	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
R403	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
R404	RD-2Z229J-	R CARBON FILM	1/2 2.2 OHM J	
R405	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R406	RD-2Z330J-	R CARBON FILM	1/2 33 OHM J	
R408	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J	
R409	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R410	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R412	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R413	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R414	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
R415	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R416	RD-2Z331J-	R CARBON FILM	1/2 330 OHM J	
R417	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R418	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R419	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R420	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R421	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R422	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R423	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R424	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R425	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R428	RD-4Z331J-	R CARBON FILM	1/4 330 OHM J	
R430	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J	
R431	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R435	RD-4Z682J-	R CARBON FILM	1/4 6.8K OHM J	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
R438	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
R439	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J	
R440	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J	
R441	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R443	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J	
R445	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R446	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
R450	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R452	RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J	
R453	RD-2Z229J-	R CARBON FILM	1/2 2.2 OHM J	
R454	RD-2Z182J-	R CARBON FILM	1/2 1.8K OHM J	
R456	RD-4Z220J-	R CARBON FILM	1/4 22 OHM J	
R458	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R459	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
R461	RD-2Z102J-	R CARBON FILM	1/2 1K OHM J	
R462	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R463	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R469	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R470	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J	
R472	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R473	RD-2Z100J-	R CARBON FILM	1/2 10 OHM J	
R475	RD-2Z470J-	R CARBON FILM	1/2 47 OHM J	
R478	RD-2Z103J-	R CARBON FILM	1/2 10K OHM J	
R479	RD-2Z330J-	R CARBON FILM	1/2 33 OHM J	
R486	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R487	RD-2Z272J-	R CARBON FILM	1/2 2.7K OHM J	
R488	RD-2Z272J-	R CARBON FILM	1/2 2.7K OHM J	
R492	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	
R495	RN-4Z4701F	R METAL FILM	1/4 4.70K OHM F	
R496	RN-4Z6202F	R METAL FILM	1/4 62.0K OHM F	
R499	RN-4Z3302F	R METAL FILM	1/4 33K OHM F	
R505	RN-4Z3302F	R METAL FILM	1/4 33K OHM F	
R507	RN-4Z6202F	R METAL FILM	1/4 62.0K OHM F	
R508	RN-4Z4701F	R METAL FILM	1/4 4.70K OHM F	
R520	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J	
R601	RD-2Z331J-	R CARBON FILM	1/2 330 OHM J	
R602	RD-2Z331J-	R CARBON FILM	1/2 330 OHM J	
R603	RD-2Z331J-	R CARBON FILM	1/2 330 OHM J	
R604	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R605	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R606	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R607	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R608	RD-2Z331J-	R CARBON FILM	1/2 330 OHM J	
R609	RD-2Z331J-	R CARBON FILM	1/2 330 OHM J	
R610	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R611	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R612	RD-2Z331J-	R CARBON FILM	1/2 330 OHM J	

Part List (DSC-30W60N)

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
R613	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	
R623	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J	
R626	RD-AZ273J-	R CARBON FILM	1/6 27K OHM J	
R629	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R630	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J	
R632	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J	
R633	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R637	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R639	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R641	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R642	RD-2Z153J-	R CARBON FILM	1/2 15K OHM J	
ZZ201	PETASWD002	PCB TERMINAL ANT AS	DSC-3260N	
JP01	4950M00310	MODULE RF	BT11-0003	⚠
JP01A	4950703006	CONNECTOR	YH025-03+YT250+ULW=250	
JP01B	4950701004	CONNECTOR	YT250+VLW=500	
JP01C	4959000250	CAGLE RF AS	UL 1365-01+DYT236+ULW=500	
JP01D	4950701004	CONNECTOR	YFH800-01+DYT236+ULW=500	
M301	4953000100	BRKT TUNER	EGI T0.8	
M301A	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK	
M361	4950800100	TERMINAL ANT AS	FR HIPS BK	
M361A	7122401612	SCREW TAPPTITE	T2S TRS 4X16 MFZN BK	
M361B	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK 1	
M751	4957500700	COVER SOCKET	FR HIPS BK	
M751A	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK	
ZZ202	PEBKMSD002	PCB BLANKING MANUAL	DSC-3260N	
IU1	1NE555---	IC TIMER	PD NE555	
PU1	4859231920	CONN WAFER	YW025-06	
ZZ200	PEBKJRD002	PCB BLANKING RADIAL	DSC-3260N	
CU1	CMXM1H102K	C MYLAR	50V 1000PF K	
CU2	CXCH1H820J	C CERA	50V CH 82PF J (TAPPING)	
CU3	CMXM1H102K	C MYLAR	50V 1000PF K	
CU4	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
CU5	CCXB1H391K	C CERA	50V B 390PF K (TAPPING)	
CU6	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CU7	CXCH1H471J	C CERA	50V CH 470PF J	
QU1	TKTA1270Y-	TR	KTA1270Y (TP)	
QU2	TKTA1270Y-	TR	KTA1270Y (TP)	
QU3	TKTC3198Y-	TR	KTC3198Y	
QU4	TKTC3198Y-	TR	KTC3198Y	
RU18	RV5426503P	R SEMI FIXED	EVN-DJAA03B 50K OHM	
ZZ200	PEBKJAD002	PCB BLANKING AXIAL	DSC-3260N	
A001	4959802824	PCB BLANK	330 X 246 X 1.6T	
DU1	D1N4148---	DIODE	1N4148 (TAPPING)	
DU2	D1N4148---	DIODE	1N4148 (TAPPING)	
DU3	D1N4148---	DIODE	1N4148 (TAPPING)	
JU1	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
JU2	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
JU3	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
JU4	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
RU1	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
RU10	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RU11	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
RU12	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RU13	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
RU14	RN-AZ2401F	R METAL FILM	1/6 2.4K OHM F	
RU15	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
RU16	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
RU2	RN-AZ2201F	R METAL FILM	1/6 2.2K OHM F	
RU3	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J	
RU4	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
RU5	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
RU6	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
RU7	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RU8	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RU9	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
ZZ220	PEUNSWD002	PCB UNION AS	DSC-3260N	
C500	CEXF2E100V	C ELECTRO	250V RSS 10MF (10X20) TP	
C520	CCYE3D103P	C CERA	2KV E 0.01MF P	
C529	CEXF2C100V	C ELECTRO	160V RSS 10MF (10X16) TP	
C534	CEXF2C220V	C ELECTRO	160V RSS 22MF (10X20) TP	
C540	CMXF2G104J	C MYLAR	MPP 400V 0.1MF J	
DY1	DH1L25RS--	LED (RED)	HI-L25RS	
DY2	DH1L25RS--	LED (RED)	HI-L25RS	
DY3	DH1L25RGD-	"LED (R,G-3 COLOR)"	HI-L25RGD	
DY4	DH1L25RGD-	"LED (R,G-3 COLOR)"	HI-L25RGD	
IY1	1SR9HP----	IC PREAMP	SR-9HP	
I501	1TDA6111Q-	IC AMP VIDEO	TDA6111Q	®
I501A	4857024613	HEAT SINK	AL EX (NO ANODIZING)	
I501B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I502	1TDA6111Q-	IC AMP VIDEO	TDA6111Q	®
I502A	4857024613	HEAT SINK	AL EX (NO ANODIZING)	
I502B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
I503	1TDA6111Q-	IC AMP VIDEO	TDA6111Q	®
I503A	4857024613	HEAT SINK	AL EX (NO ANODIZING)	
I503B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
JZ2	4859105340	JACK S-VHS	YKF51-5359	
JZ3	4859105450	JACK PIN BOARD	YSC03P-4120-9S	
M231	4952300100	PANEL CTRL	FR HIPS PAINT	
M491	4954900100	BUTTON CH	ABS BK	
M491A	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK	
M501	4955000100	DECO CTRL	FR HIPS PAINT	
M551	4955500100	DECO SENSOR	PMMA MILKY	
M551A	7128301212	SCREW TAPPING	T2S WAS 3X12 MFZN BK	
M552	4957900400	TUBE	GSHS-1625 T0.3	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
PA07V	4950706009	CONNECTOR	SMH250-06+YT250+USW=350	
PA08V	4950703007	CONNECTOR	SMH250-03+YT250+ULW=500	
PA10V	4950704007	CONNECTOR	SMH250-04+YT250+ULW=800	
PA11V	4950706008	CONNECTOR	SMH250-06+YT250+ULW=450	
PA17M	4950706007	CONNECTOR	SMH250-06+YT250+ULW=500	
PA18M	4950704006	CONNECTOR	SMH250-04+YT250+ULW=500	
PA19C	4959203220	CONN WAFER	LWL0640P-C1	
PM1	4859238620	CONN WAFER	YPW500-02	
P2	4859236820	CONN WAFER	YAW025-11	
Q505	T2SA1837--	TR	2SA1837	®
Q505A	4857027802	HEAT SINK	AL EX	
Q505B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
Q506	T2SC4793--	TR	2SC4793	®
Q506A	4857027802	HEAT SINK	AL EX	
Q506B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
R507	RS03Y104J-	R M-OXIDE FILM	3W 100K OHM J	
R510	RS03Y104J-	R M-OXIDE FILM	3W 100K OHM J	
R517	RS03Y104J-	R M-OXIDE FILM	3W 100K OHM J	
R522	RV128206--	R SEMLEIXED	CET 1213\4 20M OHM	
R549	RS02Z221J-	R M-OXIDE FILM	2W 220 OHM J	
SG500	4SG0D00103	SPARK GAP	S-23 900V-1.5KV	
SG501	4SG0D00103	SPARK GAP	S-23 900V-1.5KV	
SG502	4SG0D00103	SPARK GAP	S-23 900V-1.5KV	
SG503	4SG0D00103	SPARK GAP	S-23 900V-1.5KV	
S500	4959303010	SOCKET CRT	ISH-25S	⚠
ZZ200	PEUNJRD002	PCB UNION RADIAL AS	DSC-3260N	
CY1	CEXF1H100C	C ELECTRO	50V RUS 10MF (5X11) TP	
CY2	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)	
CY3	CCXF1H102Z	C CERA	50V F 1000PF Z (TAPPING)	
CY4	CCXF1H102Z	C CERA	50V F 1000PF Z (TAPPING)	
C501	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C502	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C503	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C504	CMXM2A223J	C MYLAR	100V 0.022MF J TP	
C505	CMXL2E104K	C MYLAR	250V MEU 0.1MF K	
C506	CCXB2H561K	C CERA	500V B 560PF K (TAPPING)	
C507	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C508	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C509	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C510	CMXM2A223J	C MYLAR	100V 0.022MF J TP	
C511	CMXL2E104K	C MYLAR	250V MEU 0.1MF K	
C512	CCXB2H561K	C CERA	500V B 560PF K (TAPPING)	
C513	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C514	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C515	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	
C516	CMXM2A223J	C MYLAR	100V 0.022MF J TP	
C517	CXCH1H100D	C CERA	50V CH 10PF D (TAPPING)	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
C518	CMXL2E104K	C MYLAR	250V MEU 0.1MF K	
C519	CCXB2H561K	C CERA	500V B 560PF K (TAPPING)	
C521	CXCH1H121J	C CERA	50V CH 120PF J (TAPPING)	
C522	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C523	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
C524	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C526	CCXB1H221K	C CERA	50V B 220PF K (TAPPING)	
C527	CCXF1H472Z	C CERA	50V F 4700PF Z (TAPPING)	
C528	CCXF1H472Z	C CERA	50V F 4700PF Z (TAPPING)	
C530	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C531	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C532	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
C533	CEXF1C101C	C ELECTRO	16V RUS 100MF (6.3X11) TP	
C535	CXSL2H220J	C CERA	500V SL 22PF J(TAPPING)	
C536	CXCH1H100D	C CERA	50V CH 10PF D (TAPPING)	
C537	CXCH1H100D	C CERA	50V CH 10PF D (TAPPING)	
L500	5CPX829K--	COIL PEAKING	8.2UH K (RADIAL)	
L501	5CPX829K--	COIL PEAKING	8.2UH K (RADIAL)	
L502	5CPX829K--	COIL PEAKING	8.2UH K (RADIAL)	
QY1	TKTC3198Y-	TR	KTC3198Y	
QY2	TKTA1266Y-	TR	KTA1266Y (TP)	
QY3	TKTA1266Y-	TR	KTA1266Y (TP)	
Q500	TKTC3198Y-	TR	KTC3198Y	
Q501	TKTC3198Y-	TR	KTC3198Y	
Q502	TKTC3198Y-	TR	KTC3198Y	
Q503	TKTC3198Y-	TR	KTC3198Y	
Q504	TKTA1266Y-	TR	KTA1266Y (TP)	
XS1	5S50101Z90	SW TACT	SKHV10910A	
XS2	5S50101Z90	SW TACT	SKHV10910A	
XS3	5S50101Z90	SW TACT	SKHV10910A	
XS4	5S50101Z90	SW TACT	SKHV10910A	
XS5	5S50101Z90	SW TACT	SKHV10910A	
XS6	5S50101Z90	SW TACT	SKHV10910A	
XS7	5S50101Z90	SW TACT	SKHV10910A	
XS8	5S50101Z90	SW TACT	SKHV10910A	
ZZ200	PEUNJAD002	PCB UNION AXIAL AS	DSC-3260N	
A001	4959802624	PCB UNION AS	246 X 203 X 1.6T	
C525	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
D500	D1N4937G--	DIODE	1N4937G (TAPPING)	
D501	D1N4937G--	DIODE	1N4937G (TAPPING)	
D502	D1N4937G--	DIODE	1N4937G (TAPPING)	
D503	D1N4937G--	DIODE	1N4937G (TAPPING)	
D504	D1N4937G--	DIODE	1N4937G (TAPPING)	
D505	D1N4937G--	DIODE	1N4937G (TAPPING)	
D506	D1N4148---	DIODE	1N4148 (TAPPING)	
D507	D1N4148---	DIODE	1N4148 (TAPPING)	
D508	D1N4148---	DIODE	1N4148 (TAPPING)	

Part List (DSC-30W60N)

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
D509	DRH1B---	DIODE	RH-1B (TAPPING)	
D510	DRH1B---	DIODE	RH-1B (TAPPING)	
JY1	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
JY2	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
JY3	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J001-J016	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
L503	5MC0000100	COIL BEAD	HC-3550	
L504	5MC0000100	COIL BEAD	HC-3550	
L505	5MC0000100	COIL BEAD	HC-3550	
RY1	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
RY10	RD-AZ224J-	R CARBON FILM	1/6 220K OHM J	
RY11	RD-AZ224J-	R CARBON FILM	1/6 220K OHM J	
RY2	RD-4Z151J-	R CARBON FILM	1/4 150 OHM J	
RY3	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
RY4	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
RY5	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
RY6	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
RY7	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
RY8	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
RY9	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	
R500	RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J	
R501	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J	
R502	RD-AZ339J-	R CARBON FILM	1/6 3.3 OHM J	
R503	RD-4Z152J-	R CARBON FILM	1/4 1.5K OHM J	
R504	RD-2Z151J-	R CARBON FILM	1/2 150 OHM J	
R505	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J	
R506	RD-AZ333J-	R CARBON FILM	1/6 33K OHM J	
R508	RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J	
R509	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J	
R511	RD-AZ339J-	R CARBON FILM	1/6 3.3 OHM J	
R512	RD-4Z152J-	R CARBON FILM	1/4 1.5K OHM J	
R513	RD-2Z151J-	R CARBON FILM	1/2 150 OHM J	
R514	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	
R515	RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J	
R516	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J	
R518	RD-AZ339J-	R CARBON FILM	1/6 3.3 OHM J	
R519	RD-4Z152J-	R CARBON FILM	1/4 1.5K OHM J	
R520	RD-2Z151J-	R CARBON FILM	1/2 150 OHM J	
R521	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	
R525	RD-AZ301J-	R CARBON FILM	1/6 300 OHM J	
R526	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J	
R527	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
R528	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R529	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
R530	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R531	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	
R532	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
R533	RD-AZ390J-	R CARBON FILM	1/6 39 OHM J	
R534	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J	
R535	RD-AZ109J-	R CARBON FILM	1/6 1 OHM J	
R536	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J	
R537	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J	
R538	RD-AZ220J-	R CARBON FILM	1/6 22 OHM J	
R539	RD-AZ220J-	R CARBON FILM	1/6 22 OHM J	
R540	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	
R541	RD-AZ683J-	R CARBON FILM	1/6 68K OHM J	
R542	RD-AZ683J-	R CARBON FILM	1/6 68K OHM J	
R543	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	
R544	RD-4Z390J-	R CARBON FILM	1/4 39 OHM J	
R545	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J	
R546	RD-4Z300J-	R CARBON FILM	1/4 30 OHM J	
R547	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
R548	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
R550	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	
R551	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	
XR1	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
XR2	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
XR3	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
XR4	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
XR5	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
XR6	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
XR7	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
XR8	RD-4Z272J-	R CARBON FILM	1/4 2.7K OHM J	
ZZ300	PEPWMSD002	PCB POWER MANUAL AS	DSC-3260N	
C801	CL1JB3104M	C LINE ACROSS	AC250V 0.1MF M ECQ-UV WRL	⚠
C802	CL1JB3104M	C LINE ACROSS	AC250V 0.1MF M ECQ-UV WRL	⚠
C803	CL1JB3104M	C LINE ACROSS	AC250V 0.1MF M ECQ-UV WRL	⚠
C804	CH1AEE222M	C CERA AC	2.5KV 2200PF M KH DE1007	⚠
C805	CH1AEE222M	C CERA AC	2.5KV 2200PF M KH DE1007	⚠
C806	CEXF2E101V	C ELECTRO	250V RSS 100MF 16X31.5	⚠
C809	CL1JB3104M	C LINE ACROSS	AC250V 0.1MF M ECQ-UV WRL	⚠
C810	CH1AEE472M	C CERA AC	2.5KV 4700PF M KH DE1307	⚠
C811	CH1AEE472M	C CERA AC	2.5KV 4700PF M KH DE1307	⚠
C812	CH1AEE472M	C CERA AC	2.5KV 4700PF M KH DE1307	⚠
C813	CH1AEE472M	C CERA AC	2.5KV 4700PF M KH DE1307	⚠
C815	CEYD2E152E	C ELECTRO	250V FHX 1500MF (35*50)	⚠
C851	CEXF2E101V	C ELECTRO	250V RSS 100MF 16X31.5	
C864	CEXF2E101V	C ELECTRO	250V RSS 100MF 16X31.5	
C871	CEYF1V222C	C ELECTRO	35V RUS 2200MF (16X31.5)	
C872	CEYF1V222C	C ELECTRO	35V RUS 2200MF (16X31.5)	
C875	CEYF1V222C	C ELECTRO	35V RUS 2200MF (16X31.5)	
C876	CEYF1V222C	C ELECTRO	35V RUS 2200MF (16X31.5)	
C879	CMXF2G104J	C MYLAR	MPP 400V 0.1MF J	
C880	CMYH3C472J	C MYLAR	1.6KV BUP 4700PF J	⚠

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
C890	CCYE3D103P	C CERA	2KV E 0.01MF P	
C891	CCYE3D103P	C CERA	2KV E 0.01MF P	
D801	DD2SB80S--	DIODE	D2SB80S	⚠
D805	DGBJ606--	DIODE BRIDGE	GBJ606	Ⓡ⚠
D805A	4857027702	HEAT SINK	AL EX BK	
D805B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
D819	DFMBG14L--	DIODE	FMB-G14L	
D819A	4857031201	HEAT SINK	AL 6063S	
D819B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
D820	DFMBG14L--	DIODE	FMB-G14L	
D822	DFMBG14L--	DIODE	FMB-G14L	
D824	DBYW95C---	DIODE	BYW95C (TAPPING)	
D826	DRU3YX----	DIODE	RU3YX	
D827	DRU3YX----	DIODE	RU3YX	
D828	DRU3YX----	DIODE	RU3YX	
D829	DRU3YX----	DIODE	RU3YX	
D830	DBYW95C---	DIODE	BYW95C (TAPPING)	
D832	DRU3YX----	DIODE	RU3YX	
D833	DRU3YX----	DIODE	RU3YX	
D834	DBYW95C---	DIODE	BYW95C (TAPPING)	
D835	DBYW95C---	DIODE	BYW95C (TAPPING)	
D836	DBY228----	DIODE	BY228 (TAPPING)	
D843	DBYW95C---	DIODE	BYW95C (TAPPING)	
D844	DBYW95C---	DIODE	BYW95C (TAPPING)	
FT801	5DH0000020	FBT	FFA65023L	⚠
F801	5F1CD6321M	FUSE	UL/CSANM 6.3A 125V	Ⓡ⚠
LF801	5PLF32----	FILTER LINE	LF-32	⚠
LF802	5PLF32----	FILTER LINE	LF-32	⚠
LF803	5PLF32----	FILTER LINE	LF-32	⚠
L814	58C4500079	COIL CHOKE	L-45	
L815	58C4500079	COIL CHOKE	L-45	
L816	58C4500079	COIL CHOKE	L-45	
L817	5DY0000023	TRANS DUMMY	DTL-02M	
M352	97P2316600	HOLDER AC CORD	NYLON66 UL/CSA	
PA14M	4950713001	CONNECTOR	SMH250-13+YT250+ULW=100	
PA16M	4950715001	CONNECTOR	SMH250-15+YT250+ULW=100	
PA17D	4950712003	CONNECTOR	SMH250-12+YT250+ULW=450	
PC801	4959203320	CONN WAFER	YHL500-03P	
PC805	4959900110	CORD POWER AS	PA208R	⚠
PW15M	4859235620	CONN WAFER	YW025-13	
P801	1111111111	DSC-3260N	24.576MHZ	
Q801	TKTD1414--	TR	KTD1414	Ⓡ⚠
Q802	TKTD1414--	TR	KTD1414	Ⓡ⚠
Q810	T2SK1489--	TR	2SK1489	⚠
Q810A	4857027904	HEAT SINK	AL EX (ANODIZE)	
Q810B	7174301211	SCREW TAPPTITE	TT2 RND 3X12 MFZN	
Q810C	4857619500	INSU PLATE	SILICON RUBBER T0.3	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
Q813	T2SC2688L-	TR	2SC2688-L	
Q814	T2SC4710LS	TR	2SC4710LS	
Q814A	4957000700	HEAT SINK	AL EX	
Q814B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
Q817	T2SC4710LS	TR	2SC4710LS	
Q817A	4957000700	HEAT SINK	AL EX	
Q817B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
R801	RX05V229J-	R CEMENT	5W 2.2 OHM J VERTICAL	
R803	RX10T270J-	R CEMENT	10W 27 OHM J TRIPOD	Ⓡ
R808	RW02Z158JN	R WIRE WOUND	2W 0.15 OHM J NON-INDUCT	
R816	RW02Z158JN	R WIRE WOUND	2W 0.15 OHM J NON-INDUCT	
R926	DJ503P51D-	POSISTOR	J5 03 P5 1D030Q 140	⚠
S801	TTF841S---	THYRISTOR	TF841S	Ⓡ
S801A	4857026900	HEAT SINK	AL EX	
S801B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
T801	50M2828A1J	TRANS SMPS	DTS-2828A1	⚠
T802	50M5345A1J	TRANS SMPS	DTS-5345A1	⚠
T803	50M5345A2J	TRANS SMPS	DTS-5345A2	⚠
U801	1T0P224Y--	IC AUDIO POWER	TOP224Y	Ⓡ
U801A	4957000701	HEAT SINK	AL EX	
U801B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
U802	1PC817----	IC PHOTO COUPLER	PC817	⚠
U803	1STRS6709-	IC POWER	STR-S6709	Ⓡ⚠
U803A	4857027901	HEAT SINK	AL EX	
U803B	7174301211	SCREW TAPPTITE	TT2 RND 3X12 MFZN	
U804	1PC817----	IC PHOTO COUPLER	PC817	⚠
U805	1STRS6709-	IC POWER	STR-S6709	Ⓡ⚠
U805A	4857027901	HEAT SINK	AL EX	
U805B	7174301211	SCREW TAPPTITE	TT2 RND 3X12 MFZN	
U806	1PC817----	IC PHOTO COUPLER	PC817	⚠
U807	1KA378R33-	IC REGULATOR	KA378R33	⚠
U807A	4857031201	HEAT SINK	AL 6063S	
U807B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN	
U808	1KA378R33-	IC REGULATOR	KA378R33	⚠
U809	1KA278R05-	IC REGULATOR	KA278R05	⚠
U810	1SE140N---	IC AMP	SE140N	
U811	1SE140N---	IC AMP	SE140N	
U812	1K1A7912P1	IC REGULATOR	KIA7912PI	
U813	1NJM431L--	IC REGULATOR	NJM431L	
Y801	5SC0000001	SW RELAY	DG5D1-0(M)0.25W	⚠
Y802	5SC0202334	SW RELAY	DJ5D2-0(M)-0.25W	⚠
ZZ200	PEPWJ0D002	PCB POWER (RHU) AS	DSC-3260N	
C816	CMXH3C152J	C MYLAR	1.6KV BUP 1500PF J (TP)	
C821	CMXH3C152J	C MYLAR	1.6KV BUP 1500PF J (TP)	
C830	CEXF1C102C	C ELECTRO	16V RUS 1000MF (10X20) TP	
C831	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
C834	CEXF1C102C	C ELECTRO	16V RUS 1000MF (10X20) TP	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
C835	CEXF1C102C	C ELECTRO	16V RUS 1000MF (10X20) TP	
C843	CEXF1C102C	C ELECTRO	16V RUS 1000MF (10X20) TP	
C845	CEXF1C102C	C ELECTRO	16V RUS 1000MF (10X20) TP	
C848	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C850	CCXB3D221K	C CERA	2KV B 220PF K (TAPPING)	
C852	CEXF2C220V	C ELECTRO	160V RSS 22MF (10X20) TP	
C853	CEXF1V471V	C ELECTRO	35V RSS 470MF (10X20) TP	
C854	CEXF1V471V	C ELECTRO	35V RSS 470MF (10X20) TP	
C856	CEXF1V471V	C ELECTRO	35V RSS 470MF (10X20) TP	
C858	CEXF1E471V	C ELECTRO	25V RSS 470MF (10X16) TP	
C860	CEXF1E471V	C ELECTRO	25V RSS 470MF (10X16) TP	
C861	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP	
C863	CCXB3D221K	C CERA	2KV B 220PF K (TAPPING)	
C865	CEXF2C220V	C ELECTRO	160V RSS 22MF (10X20) TP	
C866	CEXF1E471V	C ELECTRO	25V RSS 470MF (10X16) TP	
C881	CCXB3D681K	C CERA	2KV B 680PF K (TAPPING)	⚠
C883	CEXF2C100V	C ELECTRO	160V RSS 10MF (10X16) TP	
C886	CEXF2G220D	C ELECTRO	400V KMG 22MF(12.5*25) TP	
C894	CEXF2W100V	C ELECTRO	450V RSS 10MF (13X20) TP	
C897	CH1AEE472M	C CERA AC	2.5KV 4700PF M KH DE1307	⚠
C898	CH1AEE472M	C CERA AC	2.5KV 4700PF M KH DE1307	⚠
ZZ200	PEPWJBD002	PCB POWER M-10 AS	DSC-3260N	
E801-E894	4856310600	EYE LET	BSR T0.2 (R2.3)	
PC802	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	
PC803	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	⚠
PC804	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)	⚠
R807	RS02Z273J-	R M-OXIDE FILM	2W 27K OHM J (TAPPING)	
R809	RS01Z120J-	R M-OXIDE FILM	1W 12 OHM J (TAPPING)	
R815	RS02Z273J-	R M-OXIDE FILM	2W 27K OHM J (TAPPING)	
R817	RS01Z120J-	R M-OXIDE FILM	1W 12 OHM J (TAPPING)	
R843	RS02Z470J-	R M-OXIDE FILM	2W 47 OHM J (TAPPING)	
R852	RF02Z439J-	R FUSIBLE	2W 4.3 OHM J (TAPPING)	
R856	RS02Z470J-	R M-OXIDE FILM	2W 47 OHM J (TAPPING)	
R887	RS02Z100J-	R M-OXIDE FILM	2W 10 OHM J (TAPPING)	
R889	RS02Z244J-	R M-OXIDE FILM	2W 240K OHM J	
R890	RS02Z244J-	R M-OXIDE FILM	2W 240K OHM J	
R892	RS01Z334J-	R M-OXIDE FILM	1W 330K OHM J	
R893	RS01Z244J-	R M-OXIDE FILM	1W 240K OHM J (TAPPING)	
R894	RS01Z334J-	R M-OXIDE FILM	1W 330K OHM J	
R895	RS01Z244J-	R M-OXIDE FILM	1W 240K OHM J (TAPPING)	
R916	RS02Z102J-	R M-OXIDE FILM	2W 1K OHM J (TAPPING)	
R920	RF01Z518J-	R FUSIBLE	1W 0.51 OHM J (TAPPING)	
R921	RF01Z518J-	R FUSIBLE	1W 0.51 OHM J (TAPPING)	
R922	RF01Z518J-	R FUSIBLE	1W 0.51 OHM J (TAPPING)	
R923	RF01Z518J-	R FUSIBLE	1W 0.51 OHM J (TAPPING)	
R924	RF01Z518J-	R FUSIBLE	1W 0.51 OHM J (TAPPING)	
ZZ200	PEPWJRD002	PCB POWER RADIAL AS	DSC-3260N	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
C807	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C808	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
C814	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C817	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	
C818	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C819	CEXF2A100V	C ELECTRO	100V RSS 10MF (6.3X11) TP	
C820	CMXB1H102J	C MYLAR	50V EU 1000PF J (TP)	
C822	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	
C823	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C824	CEXF2A100V	C ELECTRO	100V RSS 10MF (6.3X11) TP	
C825	CMXB1H102J	C MYLAR	50V EU 1000PF J (TP)	
C826	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C827	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C828	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C829	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
C833	CMXL1H105J	C MYLAR	50V MEU 1MF J	
C837	CMXL1H105J	C MYLAR	50V MEU 1MF J	
C838	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C840	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C841	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C844	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C847	CMXL1H105J	C MYLAR	50V MEU 1MF J	
C849	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C855	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C857	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C859	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C862	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C867	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C868	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	
C869	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C870	CCXB3A471K	C CERA	1KV B 470PF K (T)	
C873	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C874	CCXB3A471K	C CERA	1KV B 470PF K (T)	
C877	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C878	CEXF1V101V	C ELECTRO	35V RSS 100MF (8X11.5) TP	
C882	CMXB1H103J	C MYLAR	50V EU 0.01MF J (TP)	
C884	CMXB1H103J	C MYLAR	50V EU 0.01MF J (TP)	
C885	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
C887	CEXF1V101V	C ELECTRO	35V RSS 100MF (8X11.5) TP	
C888	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	
C889	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C892	CMXB1H104J	C MYLAR	50V EU 0.1MF J (TP)	
C893	CEXF2C229V	C ELECTRO	160V RSS 2.2MF (8X11.5)TP	
C895	CEXF1H101C	C ELECTRO	50V RUS 100MF (8X11.5) TP	
C896	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
C899	CCXB3A471K	C CERA	1KV B 470PF K (T)	
C900	CCXB3A271K	C CERA	1KV B 270PF K (TAPPING)	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
C901	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	
F801A	4857415001	CLIP FUSE	PFC5000-0702	
F801B	4857415001	CLIP FUSE	PFC5000-0702	
L811	58C0000096	COIL CHOKE	610G0233(470K)	
L813	58C0000096	COIL CHOKE	610G0233(470K)	
Q803	TKSC2383Y-	TR	KSC 2383-Y	
Q804	TKSC2383Y-	TR	KSC 2383-Y	
Q808	TKTC3198Y-	TR	KTC3198Y	
Q809	TKTA1266Y-	TR	KTA1266Y (TP)	
Q811	TKTC3198Y-	TR	KTC3198Y	
Q812	TKTA1277Y-	TR	KTA1277Y	
Q815	TKTC3198Y-	TR	KTC3198Y	
Q816	TKTA1266Y-	TR	KTA1266Y (TP)	
RV801	RV5426503P	R SEMI FIXED	EVN-DJAA03B 50K OHM	⚠
ZZ200	PEPWJAD002	PCB POWER AXIAL AS	DSC-3260N	
A001	4959802324	PCB POWER AS	330X246	
D802	DR2KY----	DIODE AVALANCHE	R 2-KY (TAPPING)	
D803	DRU1P----	DIODE	RU 1P (TAPPING)	
D804	D1N4004--	DIODE	1N4004	
D806	DEU1Z----	DIODE	EU1Z (HIGH SPEED)	
D807	D1N4937G--	DIODE	1N4937G (TAPPING)	
D808	D1N4937G--	DIODE	1N4937G (TAPPING)	
D809	D1N4937G--	DIODE	1N4937G (TAPPING)	
D810	DUZ7R5BM--	DIODE ZENER	UZ-7.5BM 7.5V	
D811	DRF1-----	DIODE	RF-1	
D812	D1N4937G--	DIODE	1N4937G (TAPPING)	
D813	D1N4937G--	DIODE	1N4937G (TAPPING)	
D814	D1N4937G--	DIODE	1N4937G (TAPPING)	
D815	DUZ7R5BM--	DIODE ZENER	UZ-7.5BM 7.5V	
D816	DRF1-----	DIODE	RF-1	
D817	D1N4148--	DIODE	1N4148 (TAPPING)	
D818	D1N4148--	DIODE	1N4148 (TAPPING)	
D821	D1N4937G--	DIODE	1N4937G (TAPPING)	
D823	DUZ30BH--	DIODE ZENER	UZ-30BH	
D825	DRF1-----	DIODE	RF-1	
D831	DRF1-----	DIODE	RF-1	
D837	DUZ30BH--	DIODE ZENER	UZ-30BH	
D838	DRF1-----	DIODE	RF-1	
D839	DRF1-----	DIODE	RF-1	
D840	DRF1-----	DIODE	RF-1	
D841	DRF1-----	DIODE	RF-1	
D842	DRP1H----	DIODE	RP1H	
D845	DRP1H----	DIODE	RP1H	
J801-J860	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
L801	5MC0000100	COIL BEAD	HC-3550	
L802	5MC0000100	COIL BEAD	HC-3550	
L803	5MC0000100	COIL BEAD	HC-3550	

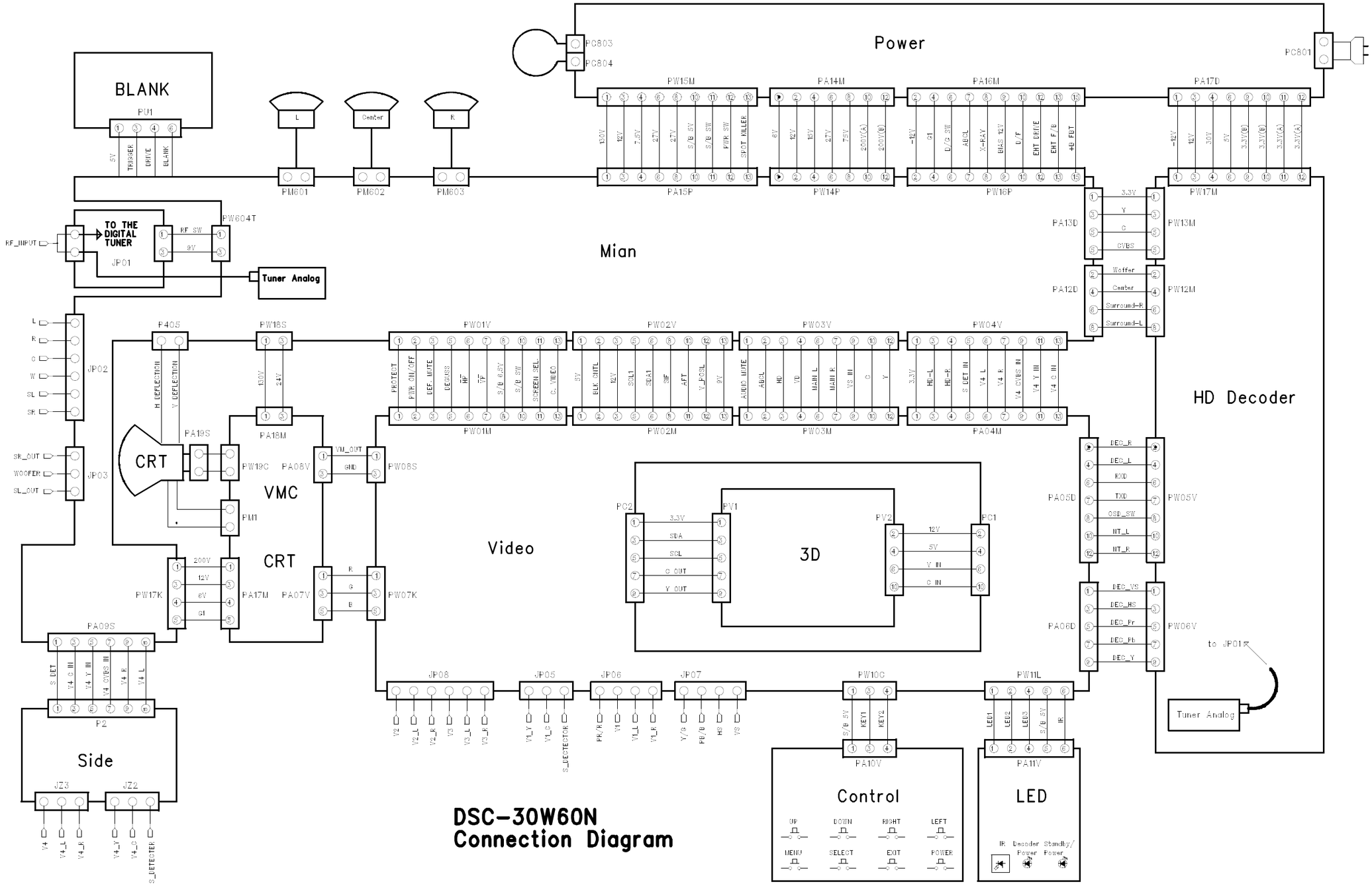
LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
L804	5MC0000100	COIL BEAD	HC-3550	
L805	5MC0000100	COIL BEAD	HC-3550	
L806	5MC0000100	COIL BEAD	HC-3550	
L807	5MC0000100	COIL BEAD	HC-3550	
L808	5MC0000100	COIL BEAD	HC-3550	
R802	RD-4Z689J-	R CARBON FILM	1/4 6.8 OHM J	
R804	RD-4Z223J-	R CARBON FILM	1/4 22K OHM J	
R805	RD-4Z474J-	R CARBON FILM	1/4 470K OHM J	
R806	RD-4Z820J-	R CARBON FILM	1/4 82 OHM J	
R810	RD-4Z104J-	R CARBON FILM	1/4 100K OHM J	
R811	RD-2Z563J-	R CARBON FILM	1/2 56K OHM J	
R812	RD-4Z182J-	R CARBON FILM	1/4 1.8K OHM J	
R813	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R814	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R818	RD-4Z104J-	R CARBON FILM	1/4 100K OHM J	
R819	RD-2Z563J-	R CARBON FILM	1/2 56K OHM J	
R820	RD-4Z182J-	R CARBON FILM	1/4 1.8K OHM J	
R821	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R822	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R823	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R824	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	
R825	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R826	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	
R827	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R828	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R829	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R830	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R834	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R836	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R837	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R838	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R839	RD-4Z202J-	R CARBON FILM	1/4 2K OHM J	
R840	RD-4Z390J-	R CARBON FILM	1/4 39 OHM J	
R841	RD-4Z471J-	R CARBON FILM	1/4 470 OHM J	
R842	RD-4Z132J-	R CARBON FILM	1/4 1.3K OHM J	
R844	RD-4Z474J-	R CARBON FILM	1/4 470K OHM J	
R845	RD-4Z224J-	R CARBON FILM	1/4 220K OHM J	
R846	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R847	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R848	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R849	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R850	RD-2Z472J-	R CARBON FILM	1/2 4.7K OHM J	
R853	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R854	RD-2Z163J-	R CARBON FILM	1/2 16K OHM J	
R855	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R857	RD-4Z474J-	R CARBON FILM	1/4 470K OHM J	
R858	RD-4Z224J-	R CARBON FILM	1/4 220K OHM J	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
R859	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R860	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R861	RD-2Z472J-	R CARBON FILM	1/2 4.7K OHM J	
R862	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R863	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R864	RD-2Z163J-	R CARBON FILM	1/2 16K OHM J	
R865	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R866	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R867	RD-4Z100J-	R CARBON FILM	1/4 10 OHM J	
R868	RD-2Z479J-	R CARBON FILM	1/2 4.7 OHM J	
R869	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
R870	RD-4Z224J-	R CARBON FILM	1/4 220K OHM J	
R871	RN-4Z2402F	R METAL FILM	1/4 24K OHM F	
R872	RN-4Z2001F	R METAL FILM	1/4 2.0K OHM F	
R873	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R874	RD-AZ684J-	R CARBON FILM	1/6 680K OHM J	
R875	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R876	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R877	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R878	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
R879	RD-4Z333J-	R CARBON FILM	1/4 33K OHM J	
R880	RD-4Z274J-	R CARBON FILM	1/4 270K OHM J	
R881	RD-2Z474J-	R CARBON FILM	1/2 470K OHM J	
R882	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J	
R883	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R886	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	

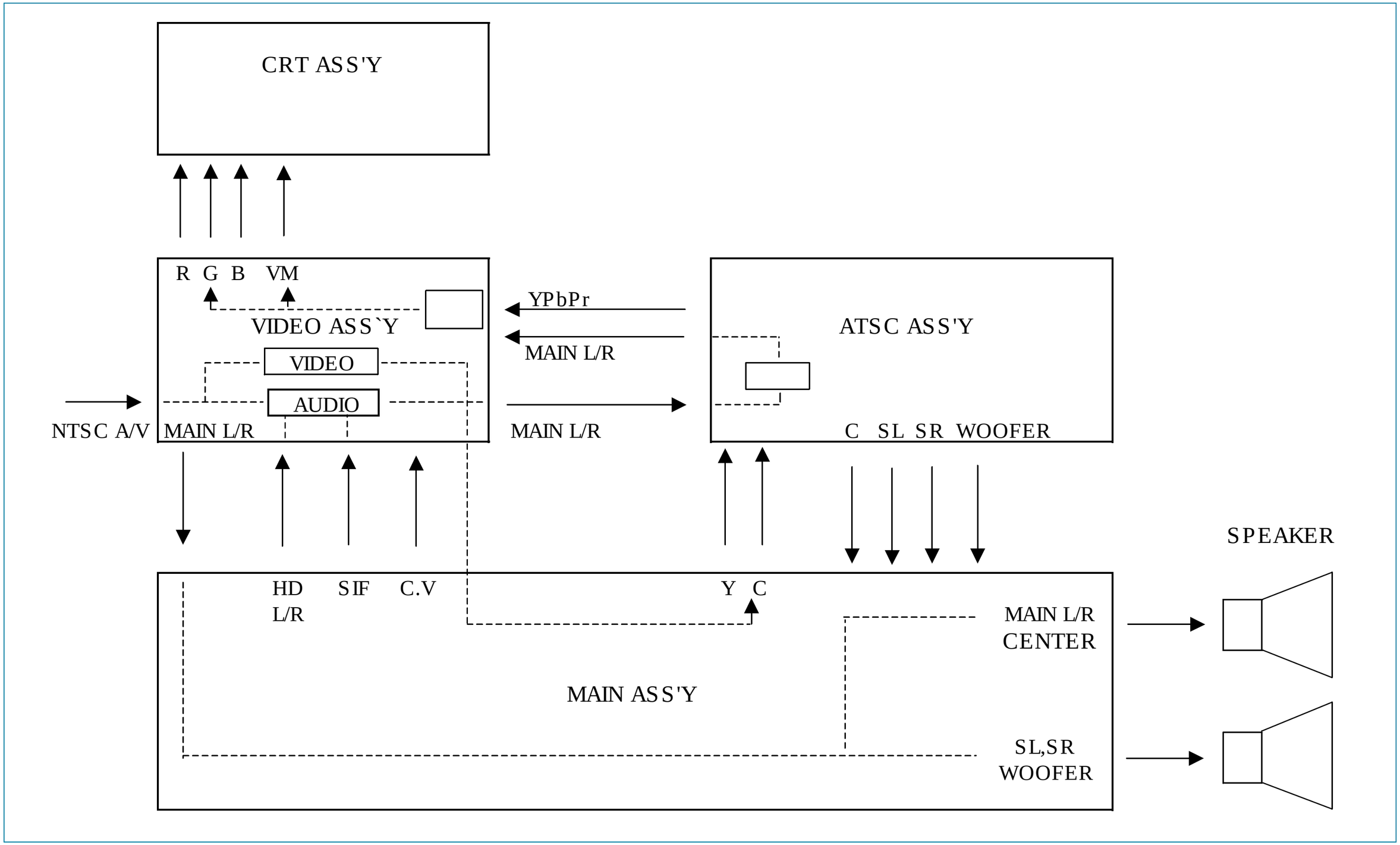
LOC	PART CODE	PART NAME	DESCRIPTION	REMARKS
R888	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R891	RD-2Z103J-	R CARBON FILM	1/2 10K OHM J	
R896	RD-4Z243J-	R CARBON FILM	1/4 24K OHM J	
R897	RD-2Z223J-	R CARBON FILM	1/2 22K OHM J	
R898	RD-AZ105J-	R CARBON FILM	1/6 1M OHM J	
R899	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J	
R900	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
R901	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R902	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
R903	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R904	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	
R905	RD-2Z105J-	R CARBON FILM	1/2 1M OHM J	
R906	RD-2Z105J-	R CARBON FILM	1/2 1M OHM J	
R907	RD-2Z244J-	R CARBON FILM	1/2 240K OHM J	⚠
R908	RN-4Z1803F	R METAL FILM	1/4 180K OHM F	⚠
R909	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J	
R911	RD-4Z820J-	R CARBON FILM	1/4 82 OHM J	
R912	RD-4Z472J-	R CARBON FILM	1/4 4.7K OHM J	
R913	RD-4Z472J-	R CARBON FILM	1/4 4.7K OHM J	
R914	RD-4Z820J-	R CARBON FILM	1/4 82 OHM J	
R915	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J	
R917	RD-4Z474J-	R CARBON FILM	1/4 470K OHM J	
R918	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	⚠
R925	RN-4Z6802F	R METAL FILM	1/4 68.0K OHM F	
Z801	DSVC471D14	VARISTOR	SVC471D14A	⚠

10. Circuit Diagram

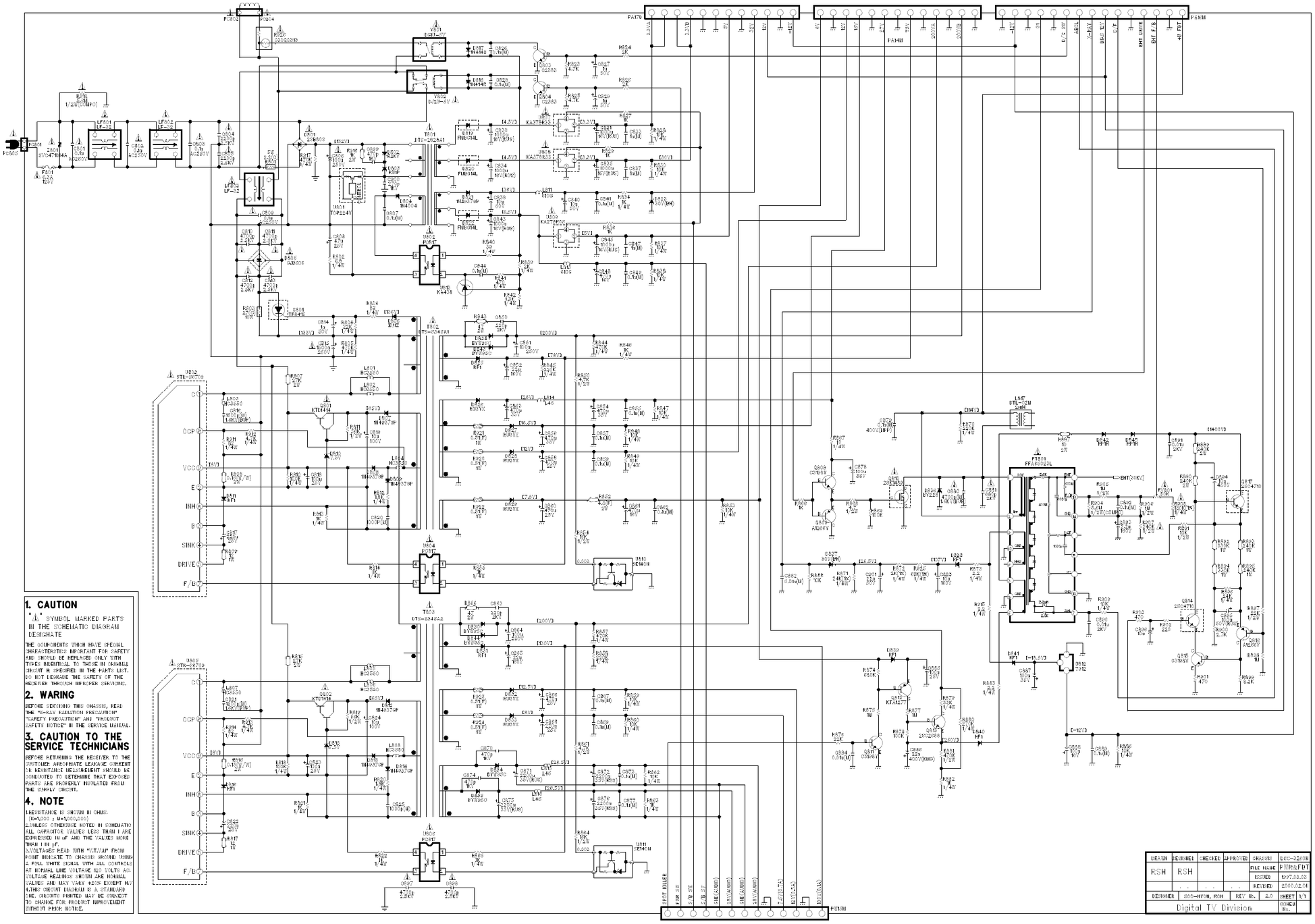
10-1. Connection Diagram



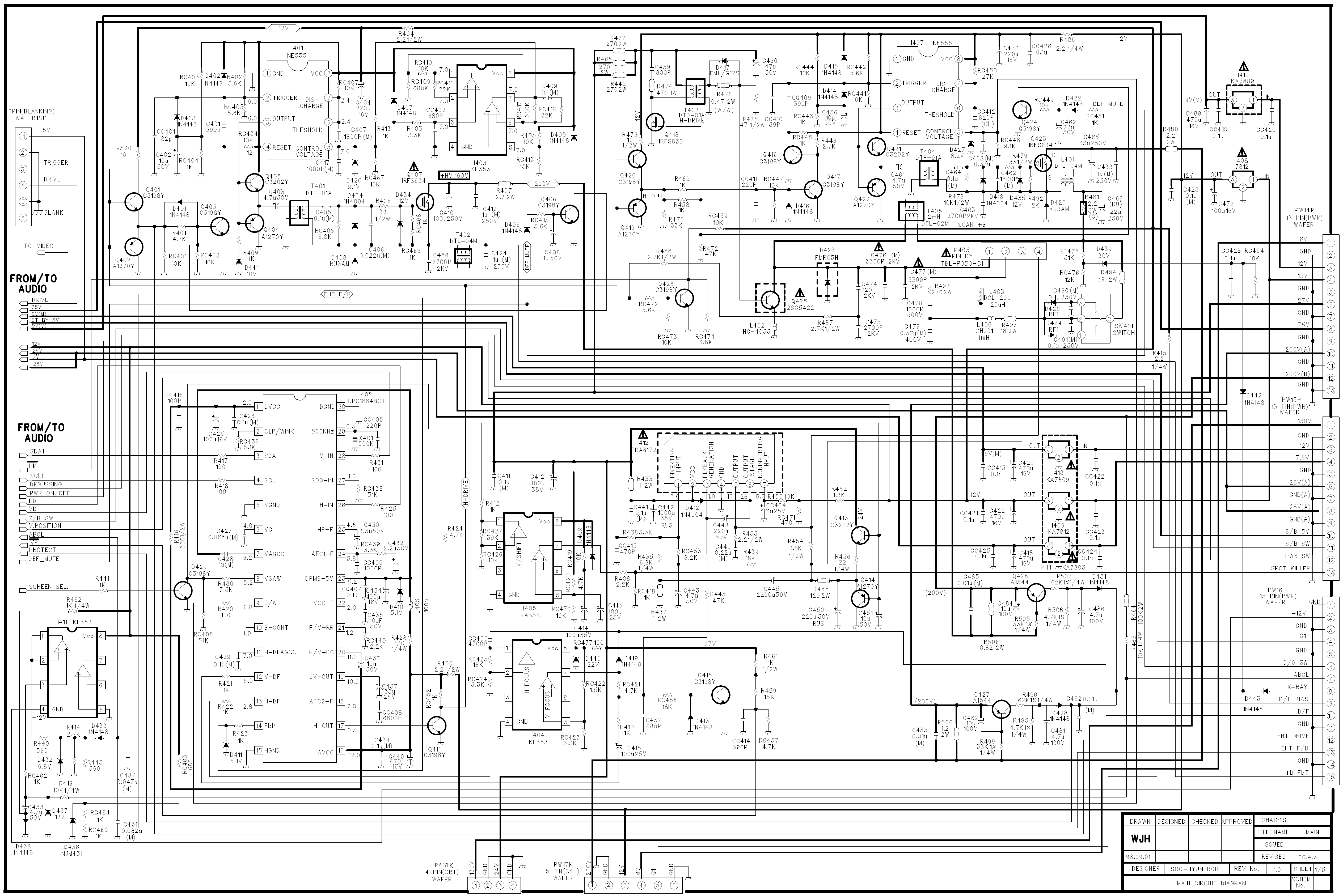
10-2. Signal Flow Diagram



10-3. Power Circuit

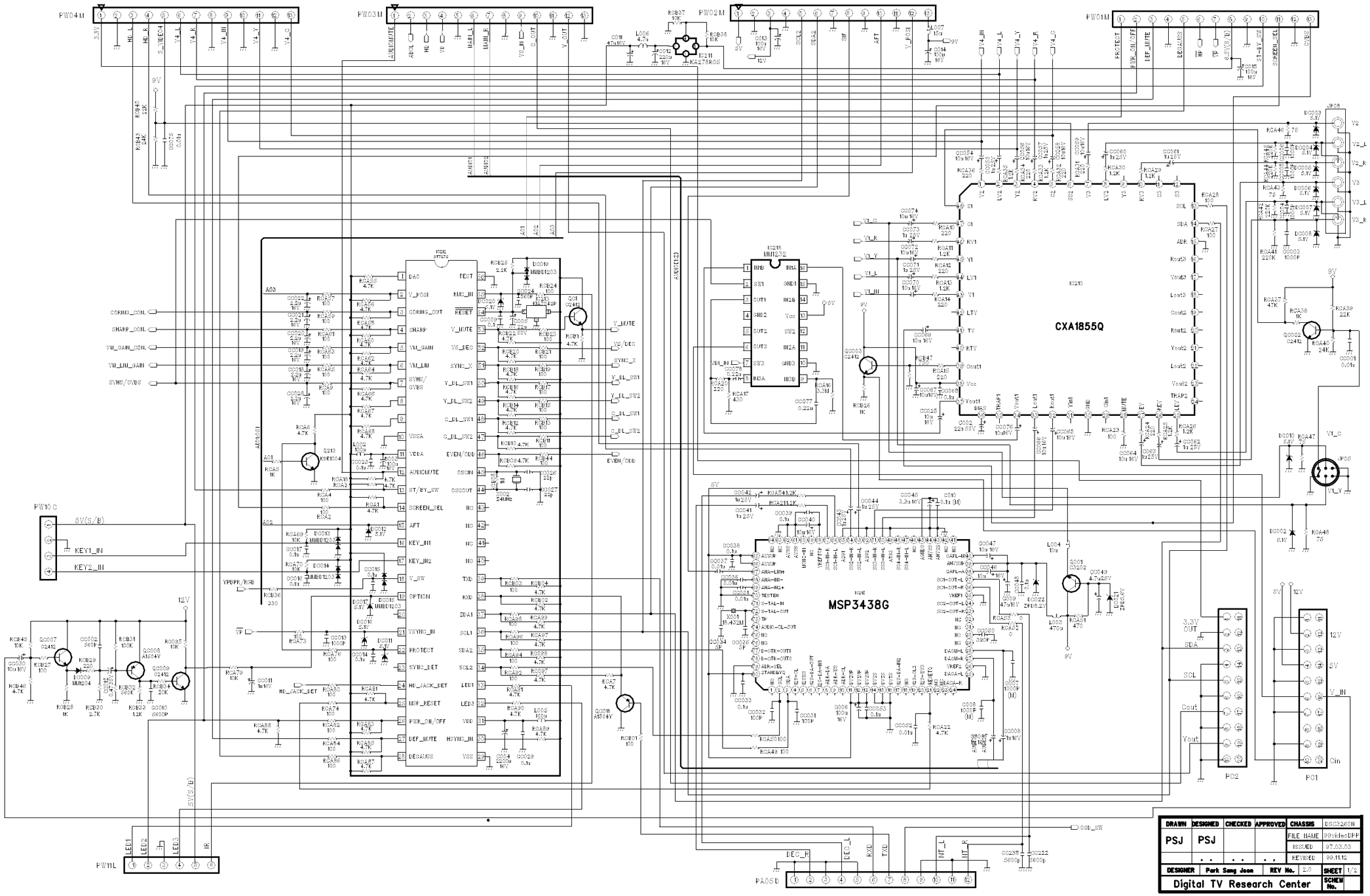

1. CAUTION
"⚠" SYMBOL MARKED PARTS IN THE SCHEMATIC DIAGRAM DESIGNATE
THE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN ORIGINAL CIRCUIT. IF SPECIFIED IN THE PARTS LIST. DO NOT DEGRADE THE SAFETY OF THE RECEIVER THROUGH IMPROPER SERVICING.
2. WARING
BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION" "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" IN THE SERVICE MANUAL.
3. CAUTION TO THE SERVICE TECHNICIANS
BEFORE RETURNING THE RECEIVER TO THE CUSTOMER, APPROPRIATE LEAKAGE CURRENT OR RESISTANCE MEASUREMENT SHOULD BE CONDUCTED TO DETERMINE THAT EXPOSED PARTS ARE PROPERLY INSULATED FROM THE SUPPLY CIRCUIT.
4. NOTE
1.RESISTANCE IS SHOWN IN OHMS. (K=1,000 ; M=1,000,000)
2.UNLESS OTHERWISE NOTED IN SCHEMATIC ALL CAPACITOR VALUES LESS THAN 1 ARE EXPRESSED IN uF AND THE VALUES MORE THAN 1 IN pF.
3.VOLTAGES READ WITH VOLTOMP FROM POINT INDICATE TO CHASSIS GROUND USING A FULL WHITE SIGNAL WITH ALL CONTROLS AT NORMAL LINE VOLTAGE 120 VOLTS AC. VOLTAGE READINGS SHOWN ARE NOMINAL VALUES AND MAY VARY +20% EXCEPT HV.
4.THIS CIRCUIT DIAGRAM IS A STANDARD ONE. CIRCUITS PRINTED MAY BE SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT WITHOUT PRIOR NOTICE.
DRAWN RSH
REDRAWED RSH
CHECKED
APPROVED
CHASSIS D00-32A0H
FILE NAME PWR&FBT
ISSUED 1997.03.03
REVISED 2000.02.04
DESIGNER 000-HYUN, HOH
REV No. 2.0
SHEET 1/1
Digital TV Division
SCHEM No.

10-4. Main Circuit

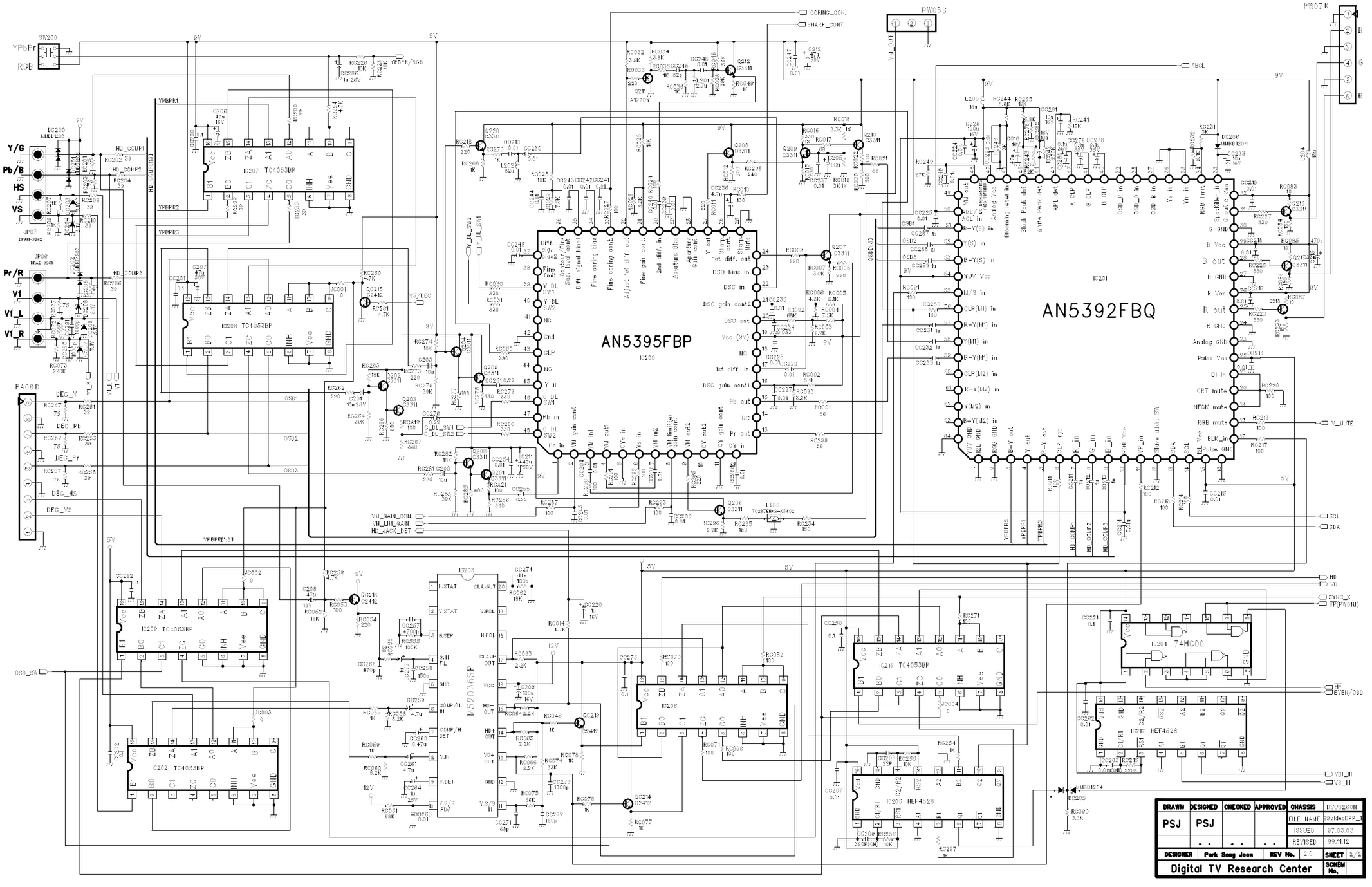


6PIN(BLANKING) WAFER PU1
5V
TRIGGER
DRIVE
BLANK
TO-VIDEO
FROM/TO AUDIO
DRIVE
75V
9V(M)
ST-BY 5V
9V(V)
12V
28V
5V
28V
I401 NE555
GND
VCC
TRIGGER
DIS-CHARGE
OUTPUT
THESHOLD
RESET
CONTROL VOLTAGE
Q401 C3198Y
Q402 A1270Y
Q403 C3198Y
Q405 C3202Y
Q404 A1270Y
T401 DTP-01A
I403 KF353
Q407 IRFS634
+HV 160V
T402 DTL-04M
200V
Q406 C3198Y
DEF MUTE
EHT F/B
H-DRIVE
T403 DTD-01A H-DRIVE
Q418 IRFS830
Q420 C3198Y
Q419 A1270Y
H-OUT
Q426 C3198Y
Q425 2SC5422
L402 HC-4035
D423 FMRG5H
Q416 C3198Y
Q417 C3198Y
Q421 C3202Y
Q422 A1270Y
T404 DTP-01A
T405 2mH DTL-02M
SCAN +B
I407 NE555
Q424 C3198Y
Q423 IRFS634
L401 DTL-04M
P405 PIN DY TBL-P050-C1
L403 DCL-20U 20uH
L406 CH001 1mH
SW401 SWITCH
DEF MUTE
I410 KA7809
9V(V)
OUT
IN
I408 7812
PW14P 13 PIN(PWR) WAFER
6V
GND
12V
15V
27V
75V
200V(A)
200V(B)
D442 1N4148
PW15P 13 PIN(PWR) WAFER
130V
7.5V
28V(A)
GND(A)
S/B 5V
S/B SW
PWR SW
SPOT KILLER
FROM/TO AUDIO
SDA1
HP
SCL1
DEGUSSING
PWR ON/OFF
HD
VD
S/B SW
V.POSITION
ABCL
VP
PROTECT
DEF MUTE
SCREEN SEL.
I402 UPC1884BCT
DVCC
CLP/WINK
SDA
SCL
VGND
VC
VAGCC
VSAW
E/W
B-CONT
H-DFAGCC
V-DF
H-DF
FBP
HGND
DGND
500KHz
V-IN
SOG-IN
H-IN
HP-F
AFC1-F
DPMS-5V
VCO-F
F/V-RR
F/V-DC
9V-OUT
AFC2-F
H-OUT
AVCC
Q429 C3198Y
Q411 C3198Y
I411 KF353
I405 KA358
V/SHIFT
I404 KF353
H FOCUS
V FOCUS
I412 TDA8172
INVERTING INPUT
VCC
FLYBACK GENERATION
GND
OUTPUT
OUTPUT STAGE
NONINVERTING INPUT
Q413 C3202Y
Q414 A1270Y
Q415 C3198Y
27V
24V
I413 KA7809
9V(M)
I409 KA7812
I414 KA7805
Q428 A1544
Q427 A1544
(200V)
PW16P 15 PIN(PWR) WAFER
-12V
G1
D/G SW
X-RAY
D/F BIAS
D/F
EHT DRIVE
EHT F/B
+B FBT
D443 1N4148
PA18K 4 PIN(CRT) WAFER
130V
24V
PW17K 5 PIN(CRT) WAFER
200V
6V
DRAWN
DESIGNED
CHECKED
APPROVED
CHASSIS
FILE NAME
MAIN
ISSUED
REVISED
00.4.3
WJH
98.09.01
DESIGNER
SOO-HYUN ROH
REV No.
1.0
SHEET
1/5
MAIN CIRCUIT DIAGRAM
SCHEM No.

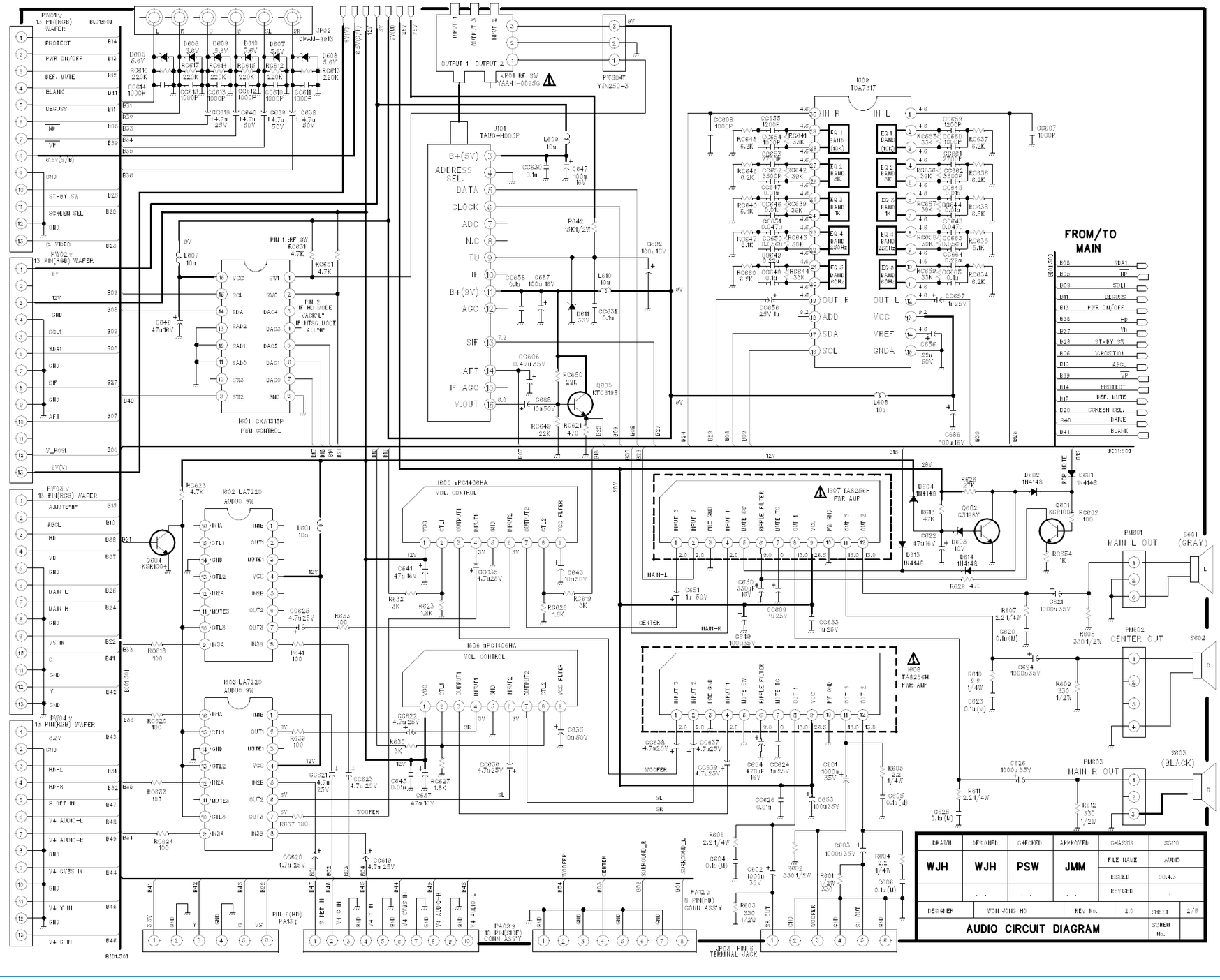
10-5. Video1 Circuit



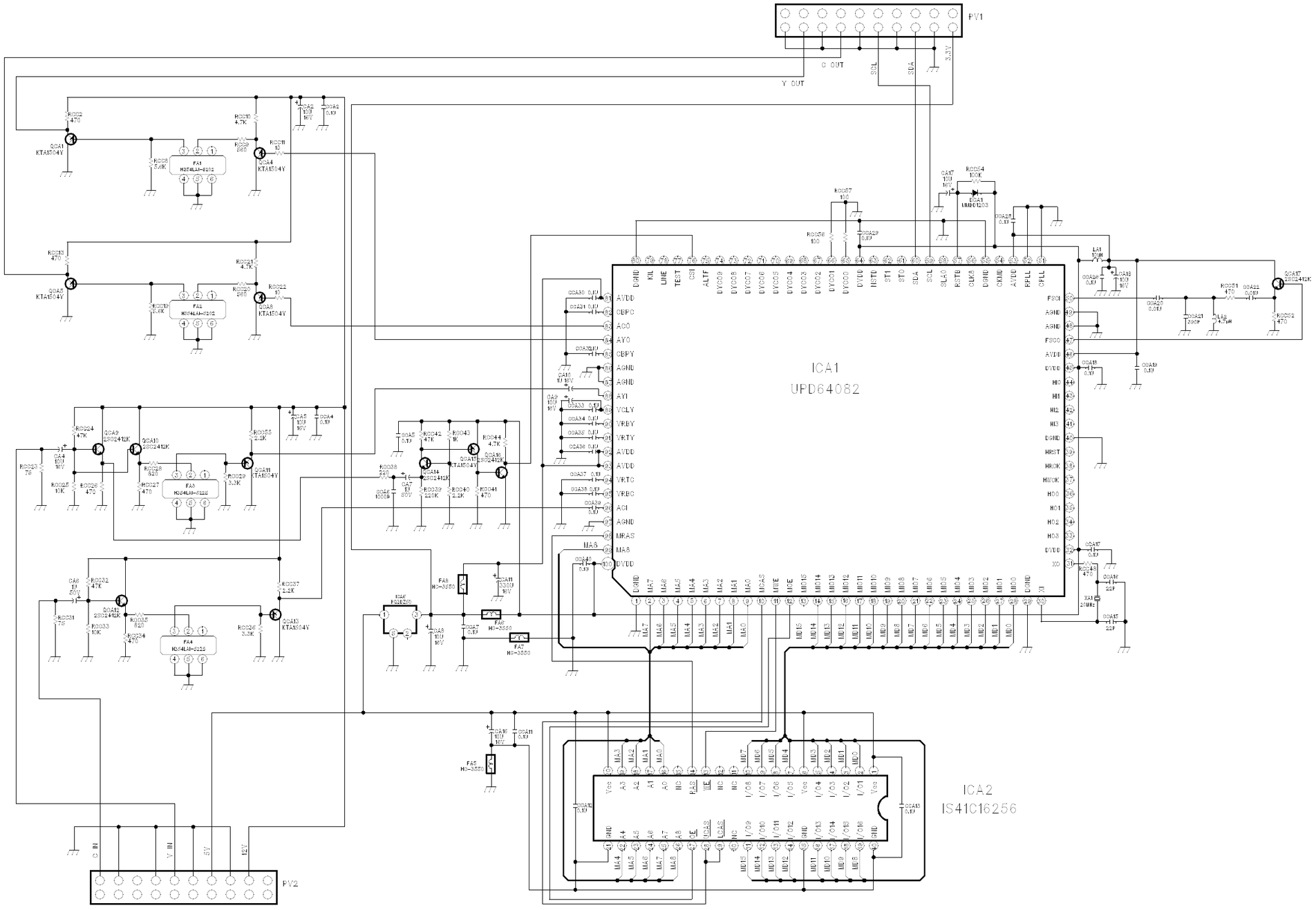
10-6. Video2 Circuit



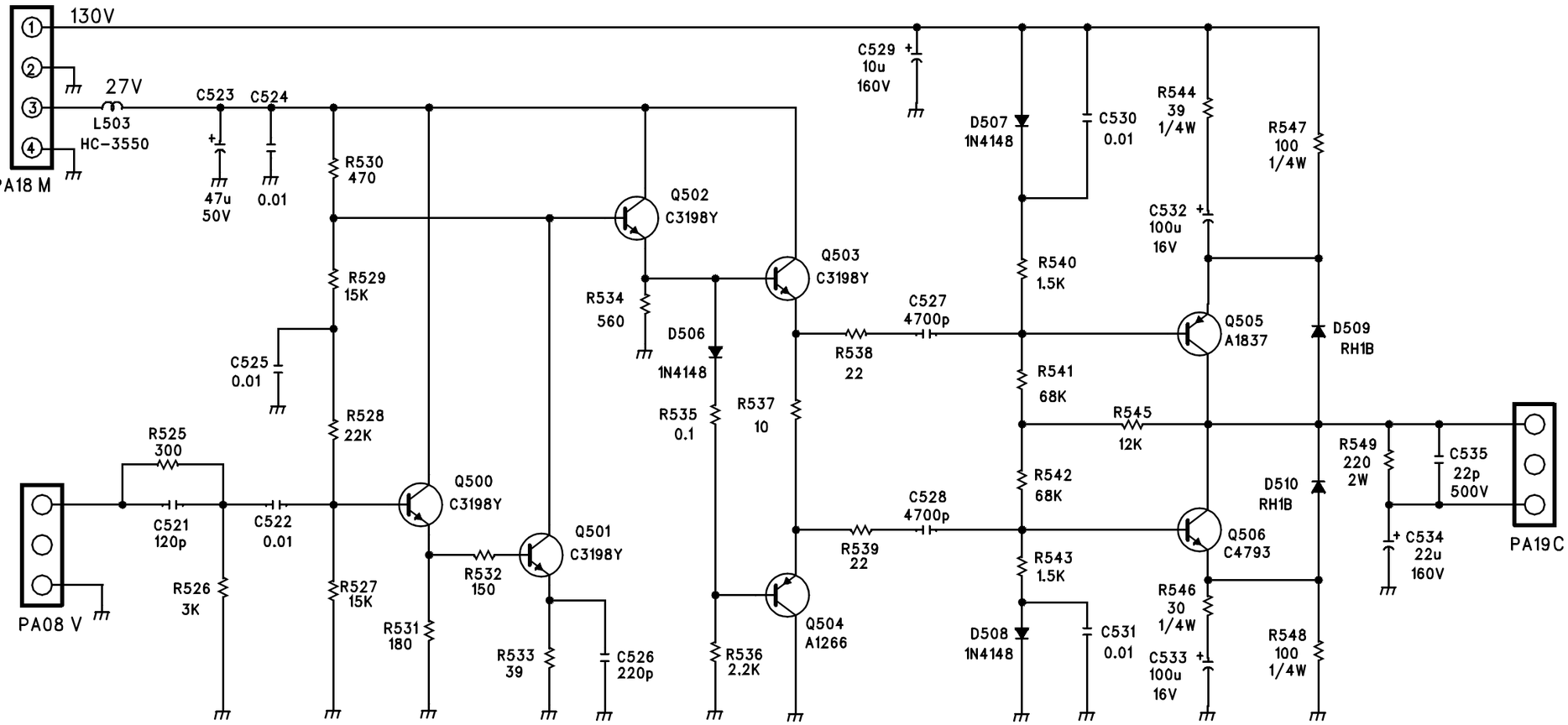
10-7. Audio Circuit



10-8. Com-Filter Circuit

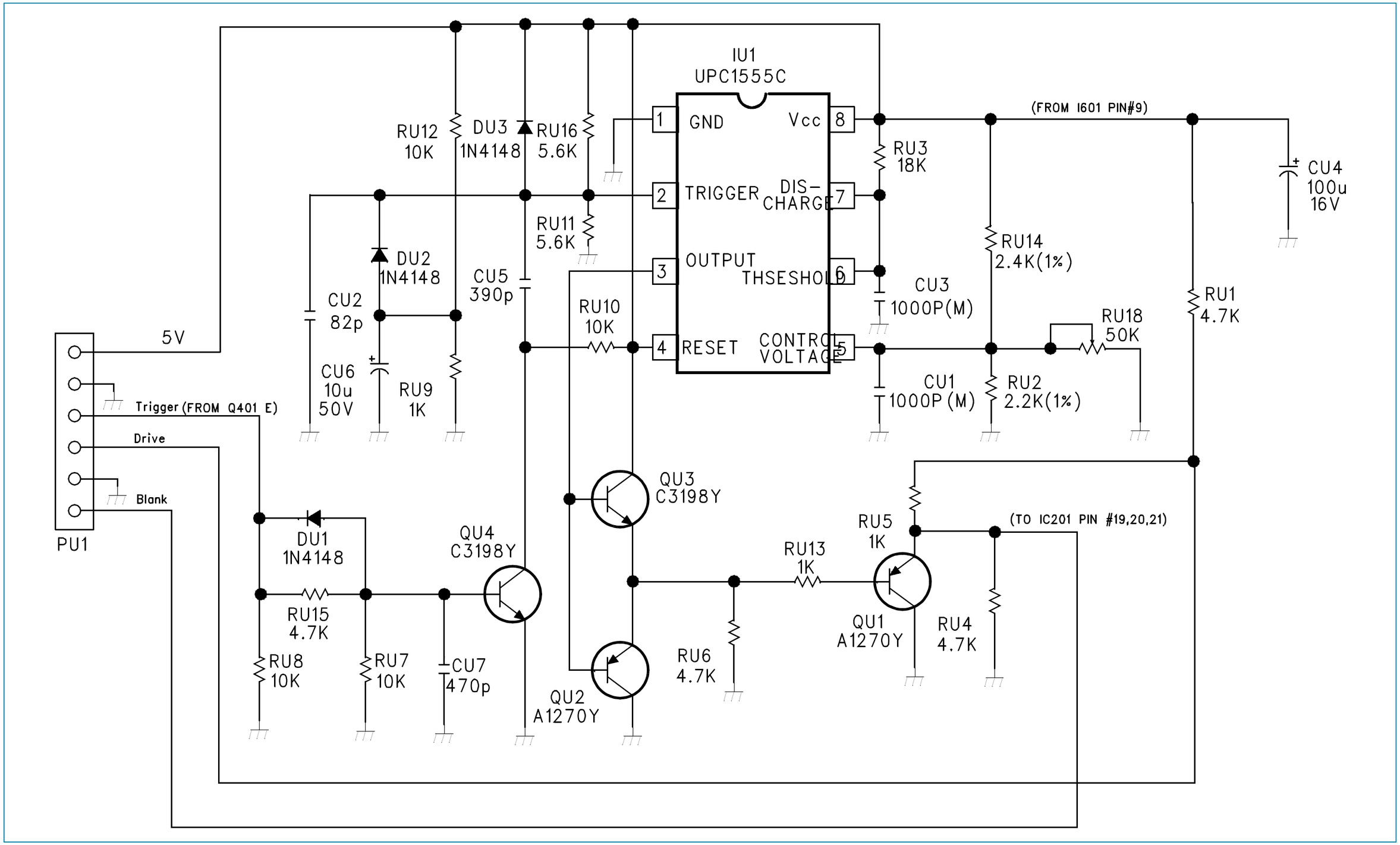


10-9. VM Circuit

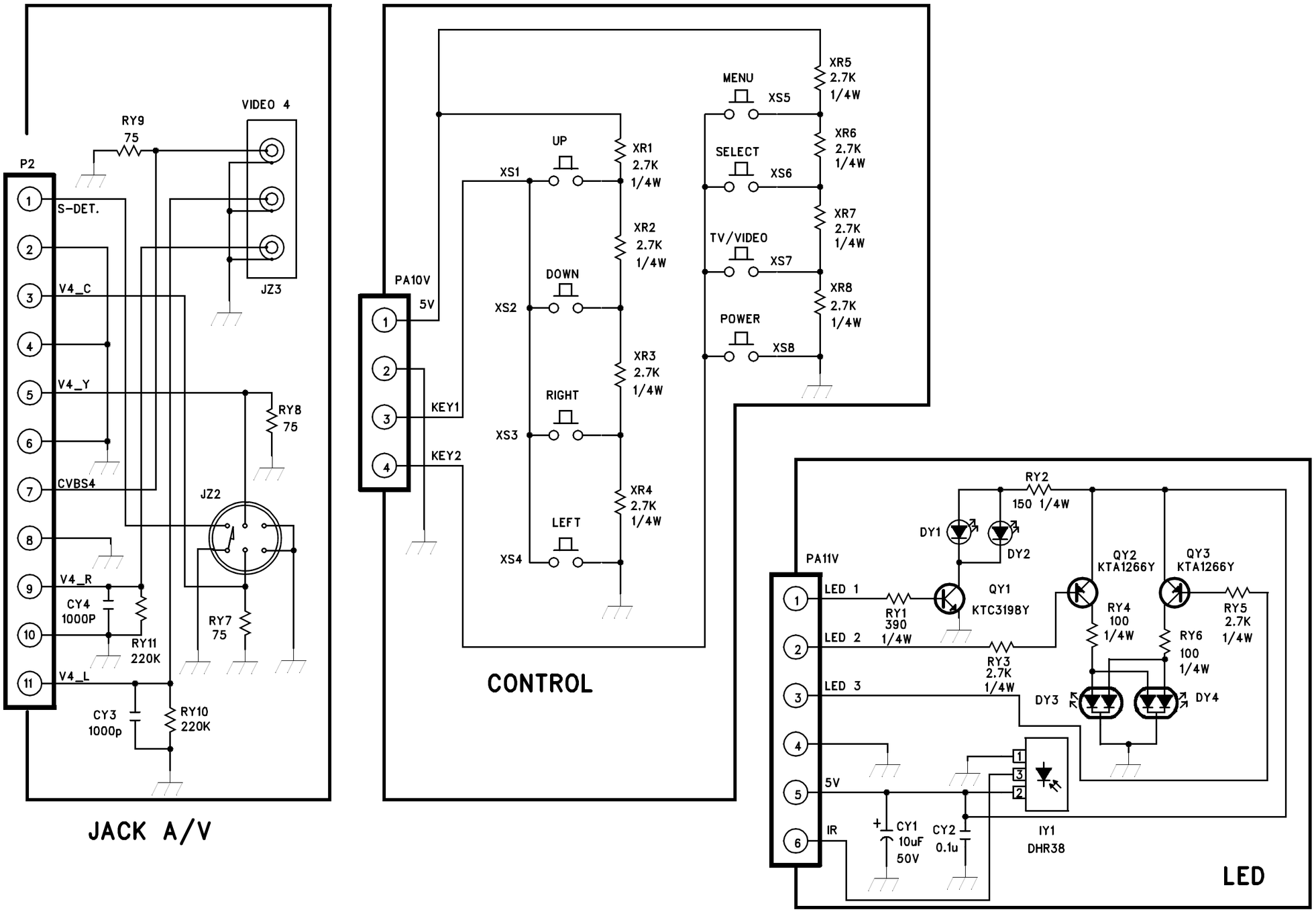


DRAWN	DESIGNED	CHECKED	APPROVED	CHASSIS	DSC3260N
		PSJ		FILE NAME	99VMC_LPP
				ISSUED	96.06.24
	. .	. .	. .	REVISED	99.11.17
DESIGNER		REV No.	2.0	SHEET	
Digital TV Research Center				SCHEM No.	

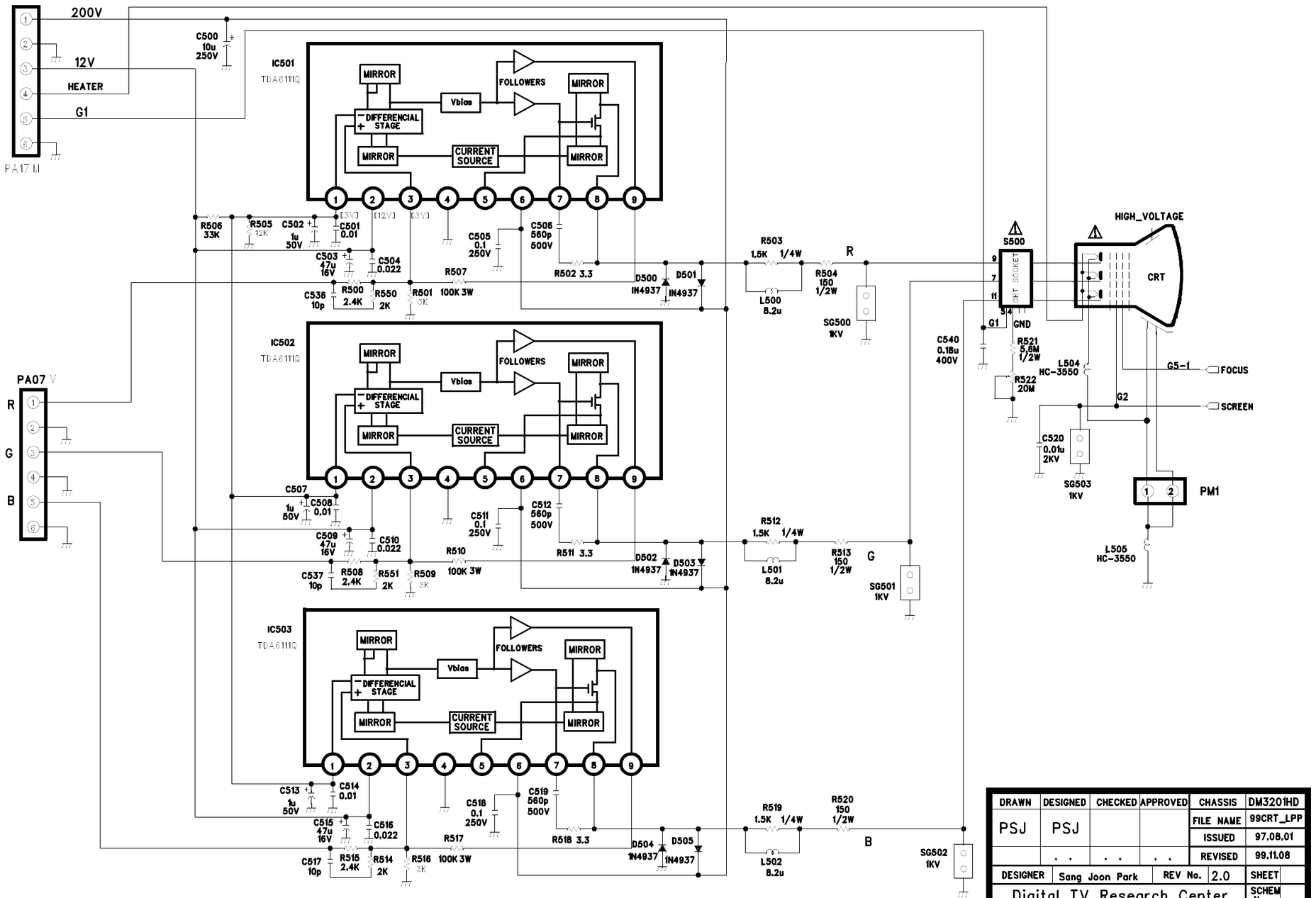
10-10. Blanking Circuit



10-11. Jack A/V, CONTROL, LED Circuit

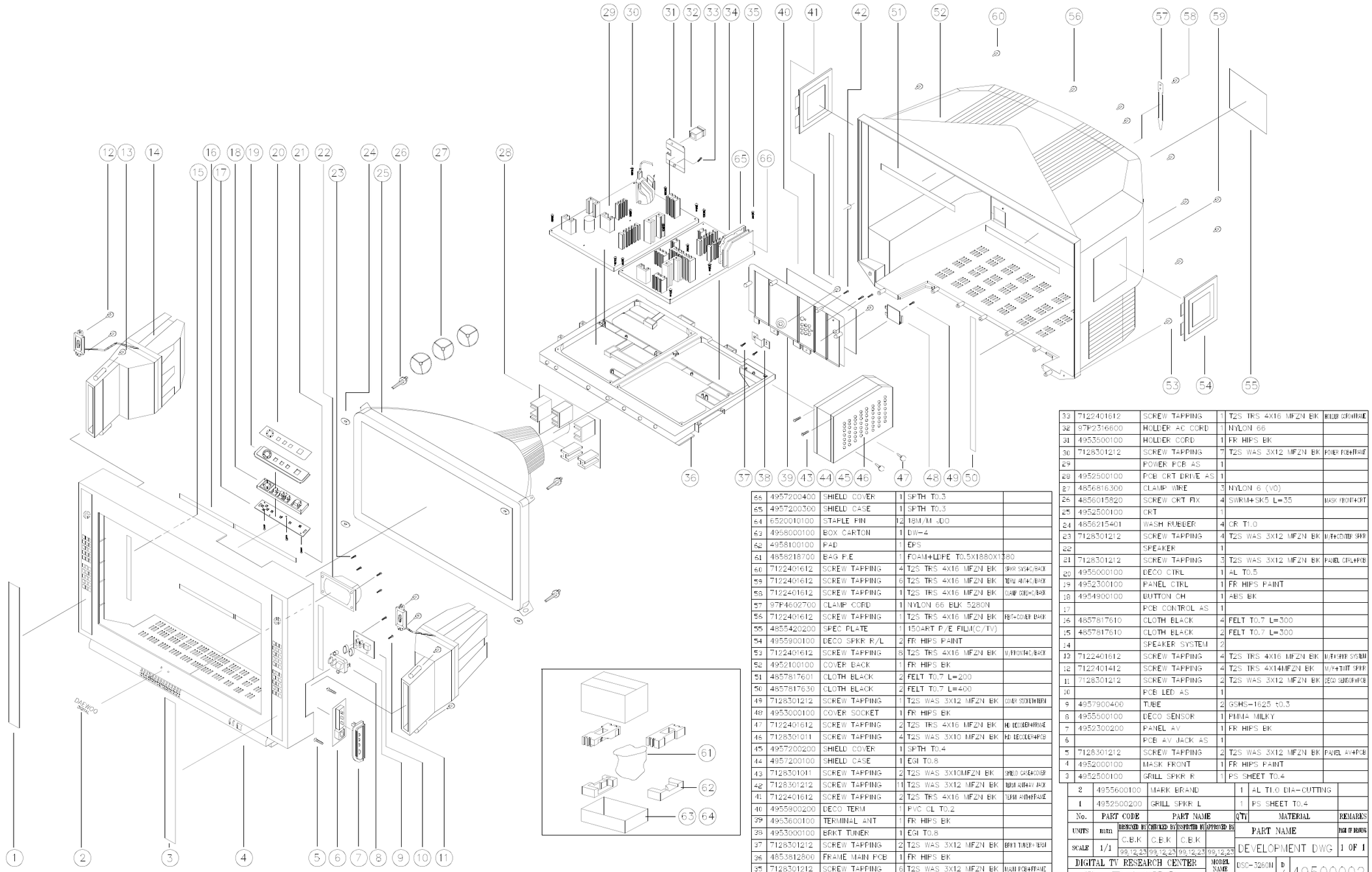


10-12. CRT Circuit



DRAWN	DESIGNED	CHECKED	APPROVED	CHASSIS	DM3201HD
PSJ	PSJ			FILE NAME	99CRT_LPP
				ISSUED	97.08.01
	. .	. .	. .	REVISED	99.11.08
DESIGNER	Sang Joon Park		REV No. 2.0	SHEET	
Digital TV Research Center				SCHEM No.	

11. Exploded View (DSC-30W60N)

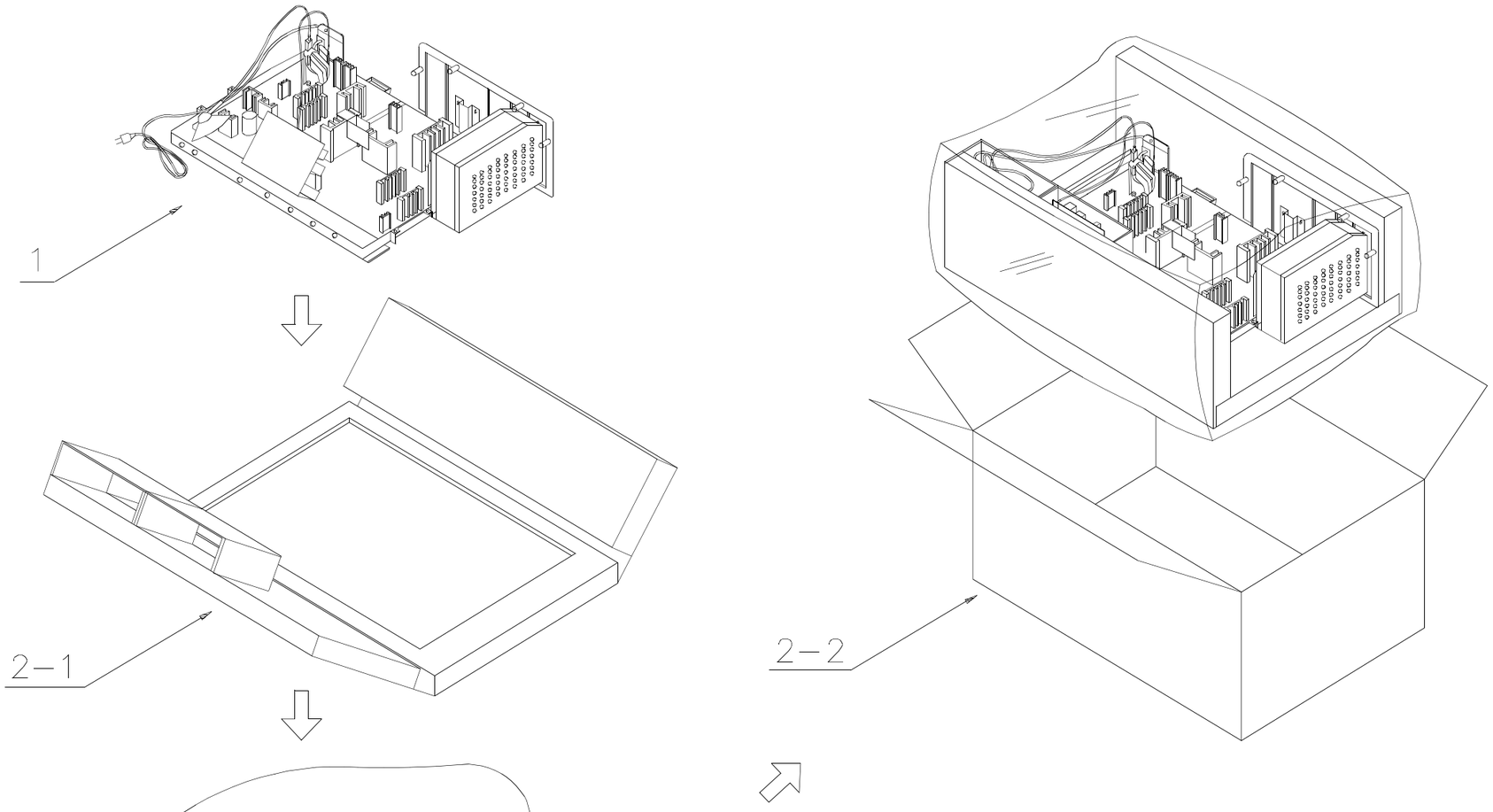


66	4957200400	SHIELD COVER	1	SPTH T0.3	
65	4957200300	SHIELD CASE	1	SPTH T0.3	
64	6520010100	STAPLE PIN	12	18M/M #DO	
63	4958000100	BOX CARTON	1	DW-4	
62	4958100100	PAD	1	EPS	
61	4856218700	BAG PE	1	FOAM+LDPE T0.5X1880X1380	
60	7122401612	SCREW TAPPING	4	T2S TRS 4X16 MFZN BK	SPKR SYS+C/BACK
59	7122401612	SCREW TAPPING	6	T2S TRS 4X16 MFZN BK	TERM ANT+C/BACK
58	7122401612	SCREW TAPPING	1	T2S TRS 4X16 MFZN BK	CLAMP CORD+C/BACK
57	97P4602700	CLAMP CORD	1	NYLON 66 BLK 5280N	
56	7122401612	SCREW TAPPING	1	T2S TRS 4X16 MFZN BK	PBT+COVER BACK
55	4855420200	SPEC PLATE	1	150ART P/E FILM(C/TV)	
54	4955900100	DECO SPKR R/L	2	FR HIPS PAINT	
53	7122401612	SCREW TAPPING	6	T2S TRS 4X16 MFZN BK	M/FRONT+C/BACK
52	4952100100	COVER BACK	1	FR HIPS BK	
51	4857817601	CLOTH BLACK	2	FELT T0.7 L=200	
50	4857817630	CLOTH BLACK	2	FELT T0.7 L=400	
49	7128301212	SCREW TAPPING	1	T2S WAS 3X12 MFZN BK	COVER SOCKET+TERM
48	4953000100	COVER SOCKET	1	FR HIPS BK	
47	7122401612	SCREW TAPPING	2	T2S TRS 4X16 MFZN BK	HD DECODER+FRAME
46	7128301011	SCREW TAPPING	4	T2S WAS 3X10 MFZN BK	HD DECODER+PCB
45	4957200200	SHIELD COVER	1	SPTH T0.4	
44	4957200100	SHIELD CASE	1	EGI T0.8	
43	7128301011	SCREW TAPPING	2	T2S WAS 3X10MFZN BK	SHIELD CASE+COVER
42	7128301212	SCREW TAPPING	11	T2S WAS 3X12 MFZN BK	TERM ANT+A/V JACK
41	7122401612	SCREW TAPPING	2	T2S TRS 4X16 MFZN BK	TERM ANT+FRAME
40	4955900200	DECO TERM	1	PVC CL T0.2	
39	4953600100	TERMINAL ANT	1	FR HIPS BK	
38	4953000100	BRKT TUNER	1	EGI T0.8	
37	7128301212	SCREW TAPPING	2	T2S WAS 3X12 MFZN BK	BRKT TUNER+TERM
36	4853812800	FRAME MAIN PCB	1	FR HIPS BK	
35	7128301212	SCREW TAPPING	6	T2S WAS 3X12 MFZN BK	MAIN PCB+FRAME
34		MAIN PCB AS	1		

33	7122401612	SCREW TAPPING	1	T2S TRS 4X16 MFZN BK	HOLDER CORD+FRAME
32	97P2316600	HOLDER AC CORD	1	NYLON 66	
31	4953500100	HOLDER CORD	1	FR HIPS BK	
30	7128301212	SCREW TAPPING	7	T2S WAS 3X12 MFZN BK	POWER PCB+FRAME
29		POWER PCB AS	1		
28	4952500100	PCB CRT DRIVE AS	1		
27	4856816300	CLAMP WIRE	3	NYLON 6 (V0)	
26	4856015820	SCREW CRT FIX	4	SWRM+SK5 L=35	MASK FRONT+CRT
25	4952500100	CRT	1		
24	4856215401	WASH RUBBER	4	CR T1.0	
23	7128301212	SCREW TAPPING	4	T2S WAS 3X12 MFZN BK	M/F+CENTER SPKR
22		SPEAKER	1		
21	7128301212	SCREW TAPPING	3	T2S WAS 3X12 MFZN BK	PANEL CTRL+PCB
20	4955600100	DECO CTRL	1	AL T0.5	
19	4952300100	PANEL CTRL	1	FR HIPS PAINT	
18	4954900100	BUTTON CH	1	ABS BK	
17		PCB CONTROL AS	1		
16	4857817610	CLOTH BLACK	4	FELT T0.7 L=300	
15	4857817610	CLOTH BLACK	2	FELT T0.7 L=300	
14		SPEAKER SYSTEM	2		
13	7122401612	SCREW TAPPING	4	T2S TRS 4X16 MFZN BK	M/FRONT SYSTEM
12	7122401412	SCREW TAPPING	4	T2S TRS 4X14MFZN BK	M/F+TWT SPKR
11	7128301212	SCREW TAPPING	2	T2S WAS 3X12 MFZN BK	DECO SENSOR+PCB
10		PCB LED AS	1		
9	4957900400	TUBE	2	GSHS-1625 t0.3	
8	4955500100	DECO SENSOR	1	PMMA MILKY	
7	4952300200	PANEL AV	1	FR HIPS BK	
6		PCB AV JACK AS	1		
5	7128301212	SCREW TAPPING	2	T2S WAS 3X12 MFZN BK	PANEL AV+PCB
4	4952000100	MASK FRONT	1	FR HIPS PAINT	
3	4952500100	GRILL SPKR R	1	PS SHEET T0.4	
2	4955600100	MARK BRAND	1	AL T1.0 DIA-CUTTING	
1	4952500200	GRILL SPKR L	1	PS SHEET T0.4	

No.	PART CODE	PART NAME	QTY	MATERIAL	REMARKS
UNITS	mm	DESIGNED BY C.B.K	CHECKED BY C.B.K	INSPECTED BY C.B.K	APPROVED BY	PART NAME	PAGE OF DRAWING
SCALE	1/1	99.12.23	99.12.23	99.12.23	99.12.23	DEVELOPMENT DWG	1 OF 1
DIGITAL TV RESEARCH CENTER				MODEL NAME	DSC-32601	D/N	49500002
DAEWOO ELECTRONICS CO., LTD.				REFERENCE			

10-13.



3	4958200100	BAG P.E	1			
2-2	4958000300	BOX CARTON	1			
2-1	4958100500	PAD BOX CARTON	1			
1		PCB ASS'Y	1			
No.	ヌーク トレオ	ヌー ク	ｼﾖﾘｮ	ク テ	(ソマシコ,シメタ) ト.シ	コ -

テエ オオ	1/1	テヲ オオ	シウ - ¯	-ヒ オオ	テカ サ	ズリ ラホ
エワ ヴァ	mm	P.M.W	P.M.W	H.J.L	C.B.K	
		00 05 25	00 05 25	00 05 25	00 05 25	

AS PCB ASS'Y